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Contributors

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OBSERVATIONS

ON

FEVERS,

AND OTHER DISEASES, OLLE

To The College of Myricians

0 F

WHICH OCCUR ON

VOYAGE

AFRICA and the WEST INDIES.

TO

BY ROBERT ROBERTSON, M.D. PHYSICIAN TO THE ROYAL HOSPITAL AT GREENWICH.

Deus conamini Freets, fau cto !

LONDON:

PRINTED FOR JOHN MURRAY, No. 32, FLEET-STREET.

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ADVERTISEMENT.

T this Period, when Commerce, efpecially to Africa and the H West Indies, engages so much of the public Attention, a new Edition of a Work peculiarly adapted to promote and preferve the Health of those living in hot Climates, whether on Board or on Shore, cannot fail being highly acceptable, and meeting with fuitable Encouragement. The original Work appeared many Years ago, under the Title of "A Phyfical Journal, &c." and has been found of very great Utility, as well, for the Correctness of the Meteorological Remarks, as for the Chaftenels of the Medical Observations, and Fidelity of the Practice. It is with Pleafure, therefore, that the Author can look back on his first Observations, comprehending one grand Source of his universal Fever, Febrile Infection (though subdivided by Writers into many theoretic Species), and find them fo confonant to Philofophy, to Facts, and his univerfally fuccefsful Treatment of Fevers, that he has no material Error to correct. He therefore fubmits them to the candid Public, for whofe Intereft they were collected; trufting they will generoufly pardon the Style, which, though. fimple, is yet adorned with the brighteft Ornament—Truth. Such as they are, the Author begs leave to infcribe them to his Friend, JAMES BOGLE FRENCH, Efq. Chairman of the Committee of Merchants trading to Africa; as a Teftimony of his Efteem and Regard.

Royal Hofpital at Greenwich, - 4th April, 1791.



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PREFACE.

THE following Journals and Obfervations were not curfory remarks made for amufement in idle or leifure hours. They are the refult of an unwearied and clofe attention to nature and difeafes in a diftant part of the world, and in a climate which yearly proves fatal to many English feamen.

They are offered with all deference to the Publick, as a fmall addition to what has hitherto been known of those diseases, and as a specimen of a plan for obtaining a further knowledge concerning them, by recommending to Gentlemen of greater abilities and experience, especially Surgeons in the royal navy—the keeping an accurate register of diseases, their symptoms, and cure, in the course of these or other voyages.

Hence, I apprehend publick advantages would accrue. The unexperienced and young Surgeon, fent to different climates, would, as well as the Pilot who navigates the fhip, be furnished with a guide to avoid errors and mistakes of most dangerous confequence; and in process of time, a perfect and compleat fystem of the fevers and diseases peculiar to them, would probably be obtained.

It is obvious, that none of the profession can have equal opportunities with the Surgeons of his Majesty's navy, of knowing the diseases of all the different navigable parts of the world which are incident to seamen, and the most successful manner of treating them, as they are daily visited by fome

to a Wis Do Lings whom I have made monitor of in the following flores,

fome of those gentlemen. How much therefore is it to be wished, that they would effeem it worthy of their trouble, to keep regular journals of the difeases which occur to them every voyage, and of the manner in which they treat them; and that they would communicate them both to the Publick.*

I am very confident what reply many of my Brethren may too juftly make to this reafoning : namely, That the little encouragement which we have in the fervice of the navy, does not merit our attention, or trouble, to promote its benefit. I acknowledge that our encouragement is extremely pitiful; yet, let us not only hope that the time is not far off, when we fhall poffefs a more refpectable footing in the fervice, which a joint and fteady exertion of our abilities will the more readily effect; but confider, that it becomes us as men, to do every thing in our power in behalf of our fellow creatures; and as Gentlemen, to convince the world, that we make our duty, and the intereft of his Majefty's fervice, our principal ftudy, notwithftanding the many hardfhips under which we labour.

I may venture to fay, that there are ftill numbers on the lift of naval Surgeons, who, in abilities, are inferior to none of the profeffion; and are therefore, every way qualified to extend the knowledge of phyfick. If fuch Gentlemen would fet the example before others, of making and communicating fuch ufeful obfervations to the publick as occur to them from time to time, they would then be convinced, that few of us are fo defitute of understanding or emulation, as not to follow it.

I have

* For as it is observed by Doctor JAMES LIND, Physician of Haffar hospital, the most eminent writer on this subject, in his Differtation on Fevers and Infection, p. 268, of the new edition of his Essay on the most effectual means of proferving the Health of Seamen. "Knowledge in physick can only be attained by " a feries of observations, we must therefore add to our own experience; that of men who lived before us, " or who practife in different places, carefully separating experienced truths from hypotheses," &c.

This gentleman, for the good of his Majefty's fervice in particular, has wrote feveral valuable books, which, taken together, may le efteemed a Synopfis of the marine practice of phyfick; and alfo contain the neceffary precepts for preventing fickness on board of his Majefty's fhips; but furely for reasons too obvious to mention, it behoves us, at leaft, to illustrate his doctrine.

It is this Dr. LIND whom I have made mention of in the following fheets.

I have already mentioned the principal reafon for my publishing the following fheets; but I have likewife one great encouragement thereto, which is, that as every attempt to benefit mankind, however fo far short it may come of the Author's defign, entitles him, if not to their regard, at leaft, to their good wifnes; and I may add without vanity, that if I have failed in obtaining fo defireable an end, I have endeavoured at leaft to deferve fucfattude and longitude are marked cefs.

As it is an established rule of the most eminent of the antient and modern phyficians, that he who would practife with fafety and certainty in phyfick, ought to pay particular attention to the fituation of the country, to its foil, and to the water where he does practife; as well as to the feafon of the year, the weather, the age and fex of his patients; and both to his former and prefent way of living; I imagine that it is equally neceffary to pay due attention to those particulars on board of a ship, as nearly as circumstances there will admit. The following Journal was therefore kept in imitation of the eminent and learned Huxham's Obfervationes de aere & morbis epidemicis, particularly the Monthly Review of the Sick Lift, though in a far lefs elegant and learned language.

I have only deviated from his plan, where neceffity obliged me. A barometer upon trial, I found would not answer on board, as the motion of the ship perpetually agitated the mercury in the tube. Nor could I place an inftrument on board, fo as to exactly indicate the quantity of rain which fell in any given time, where the mafts, yards, fails or ropes. would not have either diminished or added to the real quantity.

. The thermometer, which is made by Fahrenheit's fcale, after the first thirty-three days of the first voyage, when it was in my own cabbin in the cockpit, always hung in the Captain's cabbin, neither exposed to the open air, nor the rays of the fun; confequently it was in a medium between the air on the lower gun deck, where the men flept with the ports down, and that on the upper deck. I have carefully noted the height of the mercury three times a day-Most commonly at eight a. m. at noon, bas Moras if .---- Off Cape Nicholas, if --- Cape Richalas Mole, 19, --- Hilfpaulols, 91 --- Hant go, in.

and at eight p. m. at four p. m. too, when there was any alteration of its height. Opposite the hour of the day is the degree of heat; an f follows it, when there was a *fire* in the cabbin; and when the thermometer was exposed to the rays of the *fun*, which was only twice, for fear of breaking it, as it is a pretty large one, f follows the degree of heat.

The degrees of latitude and longitude are marked after the ufual manner. R in the column of latitude fignifies that there was no obfervation that day, but was *reckoned* only. L O in the column of longitude, fignifies a *Lunar* Obfervation; and the degrees under which the two letters are placed, is generally the longitude from London, otherwife it is kept either from the laft departure, or from the place mentioned in the column. In the column of latitudes, in the undermentioned inftances, * the latitude is not that of the place mentioned, we being nearly oppofite to it, or faw it only.

The moon's age is denoted by figures, 1, 2, &c. p fignifying the *full*, and m the *change*. The winds are marked with the ufual initials. When f and t occur with two winds, they flow that it has blown *from* the first to the latter, for example, f S t S WbW from fouth to SWbW. Calm is marked —, very little *, fresh breezes **, gales and fqualls ***, and very hard gales ****. A tornado is diffinguished thus x, variable winds by V, fea breezes by Sb, and land breezes by lb.

Rain is fpecified by dots. Very light . fhowers . . heavy . . . very heavy . . . and dews by right = 1000 in the fame column.

The appearances of the atmosphere are distinguished by letters, c. for clear, cl. cloudy, h. bazy, t. thunder, and l. for lightning.

Throughout the book, a. m. fignifies before-noon, m. fignifies noon, and p. m. afternoon.

The

* Hifpaniola, page 38-Lizzard, 44-Cape Coaft, 52-Beata, 59-Off Cuba, 64-Havannah, *ib.* -Scilly, 67-Coaft of Barbary, 72-Senegal Road, 73-Mayo, 76-Defeada, 84-Navaffa, 90-Cape Dona Maria, *ib.*-Off Cape Nicholas, *ib.*-Cape Nicholas Mole, *ib.*-Hifpaniola, 91-Heniago, *ib.* The daily Remarks, particularly with respect to the Sick Lift, are in a feparate column. In the Meteorological Journal, there are ten columns in all, which are properly diffinguished at the tops thereof.

The practical obfervations on fuch difeafes as occurred during the three different voyages which I made in the Rainbow, together with the method of their having been treated, are briefly fet forth in the Monthly Review; and a more particular account of the remitting Fever and the Dyfentery follow, as they were not only the most frequent, but the most dangerous difeafes. The appearance of the urine is feldom noticed, because of the difficulty attending that enquiry on board of a ship.

The Pofffcript contains fome Remarks concerning the prevention of ficknefs from fhore duty on the coaft of Africa; and a Propolition for rendering ficknefs on board of his Majefty's fhips on that coaft lefs fatal than it generally is.

In order that all the obfervations which I had made concerning the remitting fever on the coaft of Africa, might appear together, I thought proper to infert a particular account of the fever which happened there, on board of the Weafel, in the year 1769, previous to the Rainbow's journal, notwithstanding Doctor LIND has been pleafed to give a copy of my journal of that fever, a place in his valuable book, on the difeafes incident to Europeans in hot climates.

I will not pretend to fay that the difeafes which fell under my obfervation upon that coaft, the fhort time which we ftayed each voyage, are all the difeafes that are to be met with there; for a difeafe may happen and be epidemic there one year, as well as in any other part of the world, which may not occur for a number of years following—At leaft I imagine fo.

I have not inferted particular formulæ of medicines, thinking it would have been inconfiftent with my plan to have done it, as 1 do not deliver a general hiftory of the difeafes, but relate their appearance as they fell under my obfervation, with the manner in which I treated them. The formulæ which

which I used, will be thought very simple, as they contained no superfluous article to render them elegant or oftentatious. But let it be confidered now, that how inelegant soever the manner in which I treated my patients may be thought, I could have very easily prefented it in a different view to the Publick, if I had chosen to varnish truth with falsehood. But I choose to represent facts only. This confideration, and my motive already mentioned, for offering these sheets to the Publick, will I hope, in some measure, atome for all the errors and inaccuracies which they contain.

For the fake of perfpicuity, I have divided the whole into four Parts, and fubdivided thefe into Chapters and Sections. The first part contains an account of the fever which happened in 1769, on board the Weafel; the fecond contains the meteorological journal on board of the Rainbow; in the third is contained the Monthly Review of the fick list, and practical obfervations on most of the difeases which occurred; and the fourth is taken up with a more particular account of the fever and dysentery.

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CONTENTS.

PART I.

An Account of the Remitting Fever, which happened on board of His Majesty's Sloop Weasel, on the Coast of Africa, in the Year 1769.

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CHAPTER I.

OF THE WEATHER AND SICK LIST.

SECTION I.

An Abstract of the Weather from the Ship's Log Book, with Remarks on the Sick List, between the 13th of June and the 8th of September 1769.

REVIOUS to the account of the remitting fever, I beg leave to infert an abstract of the weather from the ship's log book, with the daily state of the sick list, which I hope will not be deemed an improper introduction, as it will appear from thence how far the weather can be said to have been accessory to the rife of this fever.

In the following abstract the same signatures are made use of as in the Rainbow's meteorological journal.

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Year, Months, add Days.	Latitude or different Parts.	Longitude made	Winds.	Rain or Dew	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST:
 1769 Junii 13 Die Martis	Turning down the channel		fNNW tWSW		a. m. c.	Sailed a. m. from Plymouth found with three in the lift. —one fever, one intermittent, and one cold.
14	49° 20″ R.	From the Lizzard 00° 43″W	fSWBS tNNW		a.m. cl. p.m. c.	One fever from cold added to the lift ; four in it.
15	47° 37 [#] R.	02° 08#W	fNWBN tW*	199 199	a. m. c. p.m. cl.	One contusion added to the lift; five in it.
16	45° 19″	03° 41″W	fW tNW**		cl.	The cold of the thirteenth well; four in the lift
17	43° 45″ R.	04° 20″W	fNWBN tWBN *		cl.	One wound added to the lift; five in it.
18	41° 30″	11° 24"W from Lon- don.	FNWBW tNE **		cl.	One headach added to the lift; fix in it.
19	39° 45″	1 2° 02″W	NE *	A	cl.	Yesterday's headach well ; five in the lift
20	37° 50″	12° 48″W	f NE t NNE **	18	a. m. c. p.m. cl.	The fever of the fourteenth, and the contulion of the fiftcenth well; three in the lift.
21	35° 47″	13° 34″W	f NNE t N		c.	No alteration in this day's lift.
22	34° 08″	from Lon- don. 14° 14″W	N		m. cl.	Three in the lift.
23	33° 03″	15° 27"W	NNE N*	1984	c	No alteration in the lift.
24	31° 49″ Madeira	ppd 1.	fNBE tNE *	1117	a. m. c. p.m. cl.	The intermittent of the thirteenth well; two in the lift.
25	29° 50″	un apsi	NBE N*	d - 3	cl.	One fore throat, and one with eruptions added to the lift; four in it.
26	28° 30" St. Cruze Teneriff		V *	216	cl.	The intermittent, returned well the 24th, relapfed; five in the lift.
27			V *		с.	No alteration in the lift.
28		- a - 1	f NE t NW *		Ci	One fore throat added to the lift; fix in it. The wea- ther very warm.

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Year, Months, and Days.	Latitude or different Parts,	Longitude made.	Winds.	Rain or Dew.	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
Junii 29	1	1 A States	V **		m. cl.	The one added the 25th with eruptions well ; five in the lift.
30	laintin foi	a bea i geb	fNW tNE*		с.	One ftrain added to the lift; fix in it—one bad fever, one intermittent, one wound, two fore throats, and one ftrain.
Julii 1 Die Saturni			V &		с.	The fore throat of the 28th ult. well, and the other fore throat is a venereal; four in the lift.
2		Property lines	NE NNW	1.2	cl.	The wound of the 17th, and the strain of the 30th ult. are well
3		Contraction in the	V *		c.	One strain, and one contusion added to the lift; four in it.
4	per li per	tera die	V * .		с.	Yefterday's contufion well, and one tumor added to the lift.
5			NE SE *		с.	One feverifh complaint added to the lift ; five in it.
6		a tab oo	v *	10	ċ.	No alteration in the lift.
7			V * ,	14	h. & cl.	The firain of the 3d, the tumor of the 4th, and the fever of the 5th well; two in the lift.
8			v *	ilet	a.m. cl. p. m. c.	The fever of the 13th ult. died; and one contufion ad- ded to the lift; two in it.
9			v		a. m. c. p.m. cl.	No alteration in the lift n m very interest
10			V *	i unit	c.	The lift the fame.
11	Turning up to windward		fESE t NE *	auite	m. cl.	No alteration in the lift. Sailed to day.
12	28° 36″	West -	fNNE tENE		cl.	Two in the lift.
13	Porto Orotavia Teneriff		V		a. m. c. p.m. cl.	One nausea added to the list ; three in it. Seven p. m. anchored in the road which is quite open.
14			v *		cl.	The contusion of the 8th, and yesterday's complaint well, and one nausea added to the list; two in it.
15	Nor Cont		v *)		cl.	One headach added to the lift; three in it.

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Year, Months, and Days.	Latitude or different parts.	Longitude made.		Rain and Dew.	Appearance of the At- mofphere,	REMARKS, AND STATE OF THE SICK LIST.
16		NAPID	NE *		cl.	One contusion added to the lift ; four in it.
17	27° 49″	11 11 11	fNNE tEBS *		р. т. с.	One naulea added to the lift; five in it. Sailed from Teneriff.
18	25° 01″		f EBN t EBS ***		a m. c. p.m. cl.	Yesterday's complaint a fever, and one nausea added to the lift; fix in it.
19	21° 49″	1	ENE E		m. cl.	Yefterday's nausea well; five in the lift.
20	19° 08″	16° 57"	ENE WBN***	San da	с.	The contusion of the 16th well, and one lumbage added to the list; five in it.
21	17° 31"	From London 16° 18″	v ***		с.	The headach of the 15th well; and yefterday's lumbago.
22	16° 13" Barbary Coaft.	aria ese las	V *		c.	The naulea of the 14th well; and one ftrain added to the lift; three in it.
23	15° 54″ Senegal Road.		NBE and NBW *		c.	The naufea of the 17th well, two in the lift. Anchor'd p. m. and fent a boat up to the fort.
24	1997 - ALC		NBE and NBW **		с.	Two in the lift.
25	15° 33″		V *		a. m. c. p. m. h. & cl.	No alteration in the lift, p. m. failed.
26	15° 05"		V *		pm.cl.	Two in the lift.
27	Off Cape De Verde		WNW *	1.00	h. & cl.	No alteration in the lift.
28	Off Gam- bia River		NNW *		h. & cl	One contusion and one tumor added to the list; four in it.
29	ara + .		NNW *		h. & cl.	No alteration in the lift. Spoke h.m. Sloop Hound and got a man out of her to pilot us up the river—he had a very fickly complexion. P.m. Standing in to- wards the river.
30	Gambia River	ng lina	V **	*	a. m. h. & cl.	The Hound's man added to the lift with a fever, five in the lift, Getting up the river a. m. and anchored p. m.
31	(States)	pair in	v *	*	a. m. & p.m. cl. & h.	No alteration in the lift. Men fent a fhore to cut wood. The river is very fhallow, and the land on each fide of

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Year, Months, and Days.	Latitude or different parts.	Longitude made,	Winds.	Rain or Dew.	Appearances of the Atmosphere,	REMARKS, AND STATE OF THE SICK LIST.
fittine att by block a	and and a factor Digits in factor g (1) Deposit	tint tons the set the	s or the 64 i the oth as tean in branklass	i flose giùig dir, flo best	At to no non, oils only of da to m	of it, which is covered with thick woods, is very low, with a thick haze conftantly over it and the river. Our men have been exposed to the rains. Two in- termittents—the hound's man is one—one strain, one contustion, and one tumor.
Augufti Die Martis	Laid goin nis tine All she ai	of the role of the role trick well.	V.*.	*	cl. & h.	The contusion of the 28th well; four in the lift. Sail- ed up the river and run a ground near Fort James; which occasioned the men's being very much fatigued in the heat of the fun. A very fultry day.
2 Mariana Mariana Mariana	de aste (o nigere de	en Plinard 19 aco ada 19	- and V	*	cł. & h.	Two feverifh complaints added to the lift; fix in it. Got the fhip off and anchored, after much trouble in the fun. The Fort—and we were nearly opposite to it—is on a finall ifland feven leagues up the river; which is about fix miles broad there, and fhallow. On
ist r sit	No ano ula No ano ula Insi mos Insi mos	ta pult to a t flow size	d to the		no feva groanis wa fest ta the	the Barra fide where the watering place is, it is very fwampy and covered with trees, and fhrubs. The water was thickifh but had no bad tafte. The men were obliged to fwim the cafks off, as a boat could not get near the fhore. A continual haze notwith- ftanding the fun fhines.
3	000 ,100	R own pla	- and V	*	cl. & h.	One of yesterday's fevers is an intermittent. Six in the lift.
4	adtai oli adtai oli addal si	la ong sti Inda are	v×	*	cl. t. &l.	No alteration in the lift. The two laft added inter- mittents are very ill. The men are employed in watering the fhip.
5	an a	i iku tu	sw —	*	cl.	No alteration in the lift. Difagreeable weather.
6	da la asest	alls Bar at	Wly -	*	cl.	The tumor of the 28th ult, well. Five in the lift.
7	dada l'an	ile ett en	V×	*	cl.t.& l.	One of the feverifh of the zd. well. Most of the offi- cers and gentlemen have been a shore-which was all a marsh-a shooting. Four in the list.
8	Sailing down the river	anto a stran Xificati A	V and	*	cl.t.&1.	Five with feverifh, two with purging complaints, and one with eruptions, added to the lift; twelve in it. Sailing and anchoring now and then.
9	13° 40" Sailing down the river	ef the two fators.	V * 54	*	cl.	One with a purging added to the lift; thirteen in it,
10	13° 41″	15° 49" from Lon- don W	v× ,∺i stra	*	cl.t.&. 1	No alteration in the lift. Got out of the river. Very difagreeable weather.
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Months, and Days.	Latitude or different parts.	Longitude made.	Winds.	Rain or Dew.	Appearances of the Atmofphere.	REMARKS, AND STATE OF THE SICK LIST.
11	13° 55″ R	16° 30″W	v *	*	cl. & h.	One of the fluxes of the 8th, and one of the fevers, with the purging of the 9th well; four flight fevers added to the lift; fourteen in it.
12	14° 06" R	17°00″W	v *	*	cl. & h	One of the bad intermittents of the 2d. well; p. m. one flight fever added to the lift; fourteen in it. The fevers are flight though of the remitting kind.
13	12° 54″	17°04" W	V**	*	cl. & h	Two of the fevers of the 11th well, and one purging complaint added to-day; thirteen in the lift. Sultry difagreeable weather.
14	11° 30″	17° 34″ W	fNWBW t NNE **	:*	cl. & h.	The old intermittent, the Hound's man, one of the flight fevers of the 8th, and the one with eruptions well; fix fevers added to the lift,
15	10° 47" R	1 7° 45″ W	SBW **	*	cl. & h.	One fever added to the lift; fixteen in it. Very difa- greeable weather.
16	10° 18" R	17° 20″ W	SW **	. *	cl, & h.	Two fevers of the 8th one of the 11th, one of the 12th and the purging of the 13th well; four fevers added to the lift. Those added the 14th and fince are bad remittents. Fifteen in the lift.
17	09° 33″	16° 46″ W	SW **	*	cl. & h.	One of yesterday's fevers well; two fevers, one diarrhæa, and one headach added to the lift; eighteen in it.
15	08° 38″ R	15°55″₩	v *	*	cl.	One of the fevers of the 8th, one of the 11th, and yef- terday's headach well; feven fevers added to the lift, and one who was in it before become feverifh; twenty two in the lift. Most of them bad remittents.
19	08° 05″	14°31″W	SW *	*	cl.	The diarrhœa, and one of the fevers of the 17th well, two fevers, one diarrhœa and the fever of the 8th re- turned well yefterday relapfed; twenty four in the lift. A few of the fevers are attended with a purg- ing.
20	07° 26″	1 2° 04" W	SW *	- The second	с.	The flight fever of the 11th, returned well 16th, relapsed; two fevers, and two with a diarrhæa added to the list; twenty-nine in it. Mostly fevers and very bad symptoms amongst them.
21	·66° 30″	10° 37"W	SW *		cl. & h.	P M. one of the fevers of the 14th died. Very bad fymptoms amongst the fevers. Rather cold tc-day. Twenty-eight in the lift.
2.2	Off Cape monferado	100 100	sw *	*	cl.	Three fevers, and one hypochondriack added to the lift; thirty two in it.
23	05° 33″ R	09° 38″ W	SW *		cl.	No alteration in the lift. Very bad fymptoms still with the fevers.

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Year, Months, and Days.	Latitude or different parts.	Longitude made.	Winds.	Rain or Dew.	Appearances of the Atmofphere.	REMARKS, AND STATE OF THE SICK LIST.
24	05° 13″	09°29"W	SW *		6.	One of the fevers of the 16th-a boy-died; and the hypochondriack well; four fevers added to the lift; thirty four in it. One feized with the fever to-day by contagion.
25	04° 07″	08° 36″ W	SW *	11. ja 11	cl.	One fever added to the lift; thirty five in it; and mostly very bad fevers.
26	04° 11″	07°08″W	SW **		cl.	One of the fevers of the 17th died. There are very few of the people who are not ailing more or lefs; though thirty four only are in the lift.
27	04° 34″	06° 20″ W	SW *	*	h.	Two fevers died, one added the 18th, and the other the 20th; thirty two in the lift. The fhip is frequently washed with vinegar, and was smoaked to day. Very dangerous symptoms amongst the lick.
28	05° 06″	c6° o8" W from Lon- don.	SWBW *	*	h.	Two fevers died, one of them was added the 18th, and the other the 20th—Their deaths happen unexpected- ly—thirty in the lift.
29	05° 08″	05° 37″ ₩	V *	*	h.	One fever of the 14th, one of the 16th, and two of the 24th well; twenty fix in the lift.
30	°4° 57″	04°51"W	v *	*	h.	One fever who was added the 18th died; twenty five in the lift.
31	04° 41″	04° 06″ W	V*	*	h,	One fever who was added the 24th died; and one fever added to the lift.
Die Veneris Sept. 1	@4° 55″	03°14″W	v *	.*	h.	One fever who was added 18th died; two fevers of the 20th, two of the 24th, one of the 22d, and one of the 28th, ult. all well; one fever—relapfed—added to the lift; nineteen in it. Moftly fevers, and very bad fymptoms yet.
2	05° 17″	03° 08″ W	wsw —	1	a. m. c. p. m. h.	The yefterday's relapfe well, and two fevers added to the lift—one is a relapfe—twenty in it. Anchor'd Teveral times to-day.
3	05° 22"		V &		a. m. c. p. m. h.	One of yesterday's fevers well ; nineteen in the lift. Turning up to Winnebah. Anchor'd feveral times to- day again.
4	Winnebah road	mone e	v *		с.	No alteration in the lift. Anchor'd off Winnebah.
5			SW		cl.	Ninetcen in the lift The worft of the fevers geting better. The rains have been over here fome time, and the people affore all well.
-		P. A. S. S. S. M. L.	I STATE AND IN THE	1 5 1	100000	at state will have the part and

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Year, Months, and Days.	Latitude or different parts.	Longitude made.	Winds.	Rain or Dew.	At	REMARKS, AND STATE OF THE SICK LIST.
6	a bab-ta		SW &		h.	Two fevers of the 19th, and the diarrhoea, ult. well; fixteen in the lift.
7			v * .	N. ST	cl. & h.	Sixteen in the lift. Watering the ship here.
8		Receiption of	v *		cl. & h.	A diarrhœa added to the lift; feventeen in it, We had no more fevers added to the lift afterwards,

SECTION II.

A Review of the Sick List, from the 13th June until the Commencement of the Fever, together with several Practical Cases.

OUR Complaints from the 13th of June to the end of the month were one bad fever; one intermittent, who got well and relapfed; two colds with feverish complaints; two fore throats---one of them was veneral; one with eruptions; one wound; one contustion; and one strain.

None of these complaints required any particular treatment, except the bad fever, which shall be described in the next month.

We continued very healthy all the month of July; having but few complaints, and none of them dangerous but the Hound's man who was added in the latter end of the month. They were one bad intermittent; three flight fevers; two naufeas; one head ach; one lumbago; four contufions; two ftrains; and two abfceffes.

The flight fevers, naufex, and the head ach, were removed by gentle evacuations, faline draughts with antimonials, elix. vitriol, and a proper regimen.* The other complaints—except the Hound's man—required no particular method of treatment; but the bad fever of laft month died the 8th of July, an account of which I beg leave to infert. John Lee, marine, aged about 30 years, was taking bark for an intermittent, of which he was recovering, when he was feized the 13th of June, after having got cold, with general tremors, convulfions, lofs of fpeech, and cold extremities. His pulfe was quite languid and irregular. Volatiles were ufed, and large blifters applied to his back, and ankles. Second day, the convulfions were abated, but the tremors continued; and he was coftive.

The diet allowed the Sick is mentioned, Part II. ch. 1. fect. 5.

coftive. A clyfter was administered, and a large spoonful of a cordial julap prescribed every hour. 3d, His pulse was firmer, and he spoke pretty fensibly; but his tongue was very foul. His blifters were renewed; his medicines continued; and he was allowed wine. 4th, His tongue was brownish. Fifteen grains of bark were added to every dose of the julap. 5th, 6th and 7th, His tongue was much cleaner, but the coma continued. His medicines were repeated, with wine, and the blifters renewed. 8th and 9th, He was much better, and continued the bark and julap every two hours with his wine. 10th, From drinking beer the preceding afternoon an accession of fever came on; attended with a quick small pulse, a dry hot skin, a parched tongue and a flushed countenance: his right fide was in some measure paralytick and he had convultive twitches at times. The nervous medicines, wine, and blifters were prefcribed. 11th, The fever remitted imperfectly, and the convulfions went off, but the coma continued. I still continued his medicines and wine. 12th, He was cool, but extremely weak. 13th, He was hot, and no way better. 14th, 15th, 16th, 17th and 18th, He was confiderably better, and continued his medicines with wine. 19th, p. m. He became much worfe, but still took his medicines. 20th and 21st, He was much weaker; the tremors returned; his tongue was black; and his pulse quick, and very small. On the 22d, the tremors were conftant, and his pulfe was very irregular.

The musk julap and wine were continued, and fresh blissers applied. 23d, 24th and 25th, Deglution became difficult, and his pulse vermicular, with a subsultus tendinum, and continual tremors. His medicines and blisters were continued, but he died at midnight of the 25th.

From the 1ft of August to the 14th, one bad intermittent; eleven slight fevers; four diarrhœas, and one with eruptions complained.

The flight fevers were of the remitting kind, but very mild; and were all carried off by gentle emetics, purges, the faline draughts with antimonials, elixir of vitriol, and proper diet. One of them had an acute pain in his fide, for which I took away a little blood; and he recovered very well. Some of them were feized with the bad fever afterwards, of which feveral of them died.

The diarrhœa were likewife cured by moderate evacuations and a fuitable diet. Before we proceed further, I shall relate the two bad intermittent cases; and I call them intermittents because there was a total ceffation of the fever and symptoms between the paroxysins, notwithstanding they were of the tertian kind.

David Clency, feaman, aged about 38 years, pretty ftout, of a very fickly complexion, complained the 31ft of July, the day after he came from the Hound, that he was feized with a chillinefs, which was fucceeded by a violent head ach, a ficknefs at ftomach, with a reaching to puke, fevere pains in all his bones, particularly in his loins, and of great thirft. His pulfe was quick, but not ftrong; his fkin very hot and dry, and his tongue was dry and white. I prefcribed the tartar emetic in fmall quantities every half hour until it puked D him; and in two hours afterwards I ordered him a faline draught with thirty drops of the effen. antimon. and acidulated fage tea for his drink.

zd, The paroxyfm ended in a profuse perfpiration towards morning; after which he continued perfectly cool and eafy until 6 p. m.—the fame time of the former fits commencing—when another paroxyfm returned, which was lefs violent than the preceding one, and continued a flort time. A dose of the Sal. cath. amar. was preferibed, and the faline draught as before, during the fit, with drink which was acidulated with lime juice.

3d, He had a fhort paroxyfm in the night; was free of fever; but complained of weaknefs in his loins; and want of appetite. At 7 p. m. a paroxyfm commenced with rigours, which lafted an hour, and ended in the ufual manner. During the fit he complained of great pain and ftricture over his eyes. The medicine prefcribed the preceding night was repeated every three hours; with tinct. theb. for his headach, which it relieved.

4th, He was very cool and eafy; but at the ufual time p. m. a mild paroxyfin commenced, which did not continue long. His medicines and drink were repeated.

5th, He complained of weakness and a little headach; but never had another paroxysm. Half a drachm of the bark was prescribed every two hours. Afterwards he took a drachm of it every two hours until he recovered on the 15th of his illness.

Serjeant Gillefpy, about 27 years of age, who had had a flight fever the preceding month, was feized the 1ft of August with chilliness and rigours, which were fucceded by the fame complaints as Clency's were, only in a more violent degree, with an acute pain in his right fide. But after the paroxysm went off he had neither fever nor pain. He complained the 2d, when both the emetick and purge were preferibed; and the faline mixture with eff. antimon. at night. At 7 p. m. the paroxysm returned. 3d, The paroxysm went off in the night and he was quite cool and easy. I ordered him half a drachm of the bark every two hours during the intermission. 4th, He had a very short, and mild paroxysm in the night. His bark was repeated every hour. He had no return of his fever afterwards; but continued taking bark until the 12th. When he returned to duty.

Such was the ftate of our fick lift from the time of our leaving England until the 14th of August, when the fatal remittent made its appearance. A boy of 13 years of age was the first taken ill with it on the 12th, but did not complain before the 14th. The complaints of those who were first feized with the bad remittent seemed to differ very little at first from those of the preceding flight remittent: but I was much alarmed when I found, that instead of perfect remisfions neither their fever or other complaints went off; that they had a continual pain in their loins, which was greatly encreased during the paroxysin; that they

bad

had a burning heat in the palms of their hands, and foles of their feet, with great thirst; and that they were exceedingly dejected during the imperfect remission. This observation made me the more uneasy because the sick list was hourly encreasing with similar complaints. I therefore call this a remitting fever, because there never was an entire cellation thereof, or of the symptoms, from its commencement until a favourable crisis or death happened.

The following obfervations concerning this fever were exactly copied from the minutes which I made frequently in the day when vifiting the fick, and immediately after reduced, nearly, into the fame order as they now appear in Doctor Lind's book * on hot climates—and upon the most accurate review of my minutes, I have been able to add very little to that account of the fever.

Some had the fever in a mild, and others in a malignant form, comparatively fpeaking; I shall therefore first relate the daily symptoms which appeared amongst them who had it in the mildest form; secondly, relate the symptoms which daily occured amongst those who had it in a malignant form; thirdly, make fome remarks upon the symptoms and the days which proved critical; fourthly, infert the manner in which I treated them; fifthly, add a few cafes; and lastly, conclude this first part of the work with a few observations concerning the cause of the fevers having prevailed on board.

CHAPTER II.

OF THE REMITTING FEVER.

SECTION I.

The Fever described in its mildest Form.

If Day. THEY who had the remitting fever in its mildeft form, complained of a headach, fickness at their ftomachs, thirst, great uneafiness, with severe pains, especially in their backs and loins. Their pulses were small and quick; and though some of their skins were hotter and dryer than in health, most of them were chilly and hot alternately.

Their complaints were easier in the morning; but towards night there was always an exacerbation of them throughout the fever.

zd, They

* See the Note, page 58 of the fecond edition.

2d, They were more lively, and their complaints relieved; but their pulfes were foft and weaker than in a natural state; and they had no appetite.

3d, Their fymptoms became more violent, with giddinefs; infatiable thirft; foul tongues, which trembled when they put them out; they had no fenfation of tafte; and their fpeech was weak and faultering. At night they had a moifture on their fkins.

4th, They were much weaker; and towards night they were very hot and reftlefs. Numbers five ated profufely, which did not refresh them.

5th, A few had been delirious in the night; and were much diffurbed in their fleep with frightful dreams and notions. Their weakness increased. Hitherto they were not confined to bed in the day time.

6th, They were more reftless from anxiety and a delirium. Their tongues were brownish, dry and chapt.

7th, Towards night they complained much more. The delirium, watching, univerfal uneafinefs, and their thirft, being all increased.

5th, They had a very bad night; and complained much more of their backs, loins, and giddinefs. *P. m.* their pulfes were very irregular, and generally weaker than in a natural flate, the three preceding days; and their tongues were become blackifh and chopped.

9th, The remiffion was more diffinct in the day than hitherto; but an exacerbation of the fever and fymptoms returned at night.

After this day there was a perfect remiffion of the fever in the day time; though they became feverifh towards night until the 17th; and in one cafe the fever continued to return until the 21ft.

The crifis of the fever was a gentle purging with an equable and moderate perfpiration.

SECTION II.

Defeription of the Fever in its malignant Form.

If Day, THEY who had the fever in its malignant form, befides those fymptoms which they had in common with the other patients -though in a more violent degree-were feized with fome other of the following; defpondency, great laffitude, proftration of ftrength and fpirits, anxiety, giddinefs, violent reachings, fevere gripings and purgings, coftivenefs, cough, a violent pain and ftricture over the eyes, a pain in the fide, a quick hard pulfe, and a dry and white tongue.

2d, They only who had been both vomited and purged, feemed to be a very little better, but had no appetite.

3d, Some

3d, Some had a flight remiffion until the evening approached; their countenances in the mean time were much flushed.

4th, Great inquietude, anxiety, frightful dreams, and idle notions, prevented them from fleep. When a remifion happened, it not laft above three hours. They feemed then a little cooler, but their thirft was not abated; befides there was a burning heat in the palms of their hands, and foles of their feet, and their memories began to fail. The tongues of fome were white and foul, though in general they were dry and chapped, and they complained of a bad tafte in their mouths. They who were coftive at the beginning continued fo; but feveral were feized with bilious vomitings, and purgings.

5th, Several were delirious in the night; and others exceedingly reftlefs and defirous to get out of bed. Some of their tongues were black, and their teeth covered with fordes; and the cough was much more urgent.

6th, In the morning a few had a fmall remiffion, though they all had a very bad night. The pains of their backs and loins; their giddinefs, with a fevere pain at the bottoms of the orbits, were exceedingly troublefome. The coffivenefs was more obftinate, and all the other complaints increafed in violence.

7th, The delirium was more general. Some of their countenances were quite yellow, and others looked wild. A fealding of the urine—not from blifters—rough, brown tongues, a fmacking of the lips, were frequent for fome days before, and the vomiting and loofe fetid ftools were more general. Their pulfes were irregular.

8th, A few after violent vomitings and purgings which both flained like an infufion of faffron, broke out in purple blotches like the flinging of nettles, particularly about the face and neck, which foon difappeared again.—While they remained out on the fkin they thought themfelves better.—In one patient the parotid gland began to fuppurate. The tongues of fome were black and their teeth crufted over with black fordes; but of others, they were brownifh, dry, and much chapped. The delirium, a flupor, convulfive tremors, and catchings, twitchings of the tendons, hiccup, deep fighs, pain and oppreffion about the præcordia, fwelling of the hypochondria, cold fweats, an involuntary difcharge of the urine and fæces, and a muttering or murmuring inarticulately, were frequent. Their pulfes were quite irregular.

9th, The bad fymptoms continued. One who had the purple blotches, likewife had an hæmorrhage from the nofe and mouth at times, which tinged his linen yellow, as did his urine too, which was bloody.

10th, A few had a very flight remiffion.

11th, The dangerous fymptoms prevailed, with a coma, cold clammy fweats, and extreme weaknefs. In one patient a large ecchymofis-like fwelling appeared upon the right fide of the neck and face a little before his death, which immediately after it, became black.

12th, There

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13th, Their countenances became more generally yellow; and a purging, without gripes, came on. Thefe patients were much relieved, never being afterwards fo hot and reftlefs towards night; and one had an equable and gentle perfpiration broke out over him. An eruption appeared about fome of their mouths. But the dangerous fymptoms continued in other cafes, with frequent faintings in one patient.

14th, Gripes when at ftool now attended their purging; and though they were very weak their fever and other complaints were much lefs. The dangerous fymptoms prevailed ftill amongft fome, with a fubfultus tendinum; a dozing with the eyes half, and the mouth wide open; and a cadaverous fmell. Their fkins were very difagreeable to the touch, and from feeling the pulfe, an uneafy fenfation was imprefied on the fingers, which continued for fome time after.

15th, The bad fymptoms continued; the parotis was opened; and the fluxed patients with the yellow countenances were better: one of whom had the piles.

16th, Though extremely weak they were all better except one man, who had a ghoftly countenance, and all the dangerous fymptoms.

17th, The bad cafe was not better, but all the reft were.

18th, The dangerous cafe fell into a found fleep, and an equable perfpiration broke out over him, which fortunately proved a favourable crifis, and the reflectontinued to recover.

SECTION. III.

Remarks on the Fever in both its Forms.

WITH respect to the following symptoms it is to be understood, that feveral of them perhaps often occurred in one patient.

They who were coffive when they first complained, and continued fo, all died. The bilious vomitings and stools which stained like an infusion of fassion were mortal. A hæmorrhage at the nose and mouth, and bloody urine, all of which tinged yellow, were mortal. The purple blotches which rose above the skin like the stinging of nettles, were mortal. An intense coma was mortal. An ecchymosis-like swelling upon the face and neck immediately preceded death. One who was taken ill at first with a pain in the side died. A brown rough rough tongue and mouth, with a fmacking of the lips, was mortal. A wildnefs of the countenance was mortal—One perfon who had this fymptom was very coffive too, and never feemed to be in imminent danger, nor was ever confined to his bed, though he died on the eighth day. A defpondency, and dread of dying were mortal. A general coldnefs with clammy fweats, and muttering or murmuring inarticulately, immediately preceded death. A fyncope or deliquium was mortal.

A cough proved fatal in two cafes out of three; and the third was the remarkable cafe which was dangerous until the eighteenth day. An involuntary difcharge of urine and faces was mortal, except in two cafes; one of which was the parotis that proved very tedious; and the other was the fortunate crifis on the eighteenth day—That patient had taken a good deal of bark in the courfe of his fever.

A ftricture, and pain either over the eyes or at the bottoms of the orbits were dangerous. Drinking greedily, and in large draughts, were dangerous fymptoms. A hiccup was frequently an attendant of the mortal fymptoms, and always dangerous. A dozing with the eyes half, and the mouth wide open, were very dangerous. A deep fighing was very dangerous. And in like manner were the pain and opprefiion about the præcordia, and fwelling of the hypochondria. Eruptions about the mouth were not favourable.

Upon feeling the pulse throughout the whole fever, a disagreeable sensation remained for some time after on the fingers—especially if the skin was moist, unless the perspiration was critical, and then no such sensation was perceived.

Such were the melancholly attendants of that dreadful fever. Though, from my not having a fufficient quantity of bark, this fever had, in a manner, its natural fcope; yet we find in Dr. Cleghorn's very accurate account of the fever in Minorca, a few other fymptoms of a much more malignant nature.*

An apoplexy; and though only a fymptom of that fever, is univerfally allowed to be the most violent and fatal difease to which the human frame is naturally fubject. A cholera morbus—The vomitings and purgings in the fever on board of the Weasel were violent at times, but I think could not properly be called by that name.

A cardialgia. The pain and opprefion about the præcordia, or in the ftomach, in the Weafel's fever, did not occasion a fwooning away—as Blancard defines that difeafe, or fymptom to occasion.

Vomiting of matter like the grounds of coffee-I did not obferve.

A palpitation of the heart, was not complained of by any of my patients.

A pulfation of the abdominal vifcera, I never obferved.

The pain or abfcefs in the hip never occurred to me in the Weafel.

In these few circumstances only, did the fever at Minorca and that on the coast of Guinea seem to differ, as I found upon examining that accurate writer after

* The land exhalations affected his patients ; which was not the cafe on board of the Weafel.

after I returned to England; for I was fo unfortunate as not to have his book with me.

Refpecting the days which were most critical in both forms of the fever, I must observe, that a perfect remission was obtained in one case upon the third. A distinct remission of thirty hours was obtained on the morning of the fifth in another case; but in this the fever again returned with more violence, and continued fo twelve hours.

Four men died on the eighth; one of whom was dumb; and the parotis began to fuppurate.

On the ninth, the critical purging began amongst them who had the fever in its mildest form.

On the tenth, one died; and three on the eleventh.

The yellow fuffusions and purging which proved a favorable crifis to many, appeared on the thirteenth; and in one cafe an equable perfpiration broke out which was fucceeded the next day by a gentle diarrhæa that proved falutary.

One died on the fourteenth, and the parotis in another patient was ready for opening on the fifteenth.

On the fixteenth day one died, and another was feized with the piles.

An unexpected crifis happened from a found fleep, and a free perspiration, on the eighteenth.

On the twenty first day, there was a favorable crisis of the tedious though mild fever by perspiration.

Most of the ten men who died had never been in a hot climate before.

SECTION IV.

The Method in which the Fever was treated.

I Always began with a vomit, and gave it as foon as the patient complained, unlefs he was then in a flate of perfpiration. In that cafe I encouraged the perfpiration, either with acidulated drink, or gave him fal. nitr. and foon after the perfpiration was over I adminiftered the vomit, which was the tartar emetic. -except when he had a purging, then I gave the pulv. Ipecacoan. The manner in which I adminiftered the tartar emetic, was by difolving three grains of it in half a pint of fimple water, of which two fpoonfuls were taken every half hour until it began to operate, which was commonly after giving it the third or fourth time. By that means it not only vomited him well, but likewife often operated once, twice or oftener by flool; and frequently by perfpiration. Moft commonly it was worked off with warm water.

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If it was in the evening that they took the puke, I gave them about an hour and a half after its operation was ended, a faline draught with more or lefs of the effence of antimony, to keep up the perfpiration if there was any, or otherwife to promote a perfpiration; and allowed them plenty of fage tea or barley water, either with nitre, or acidulated.*

The faline mixture was made after the ufual manner; fometimes with lime juice, at other times with elixir of vitriol. I often ufed the fpiritus Mindereri likewife. Those mixtures were always diluted with fimple water, fweetened with a little fugar, and had a due proportion of either Huxham's effence of antimony, or emetic tartar added to it.

But if the patient complained in the morning, and took his vomit then, whether he had one or two ftools therewith, I generally gave about two hours after its operation was over, an ounce of fal. cath. amar. diffolved in half a pint of thin water gruel, or barley water. One or other of which was ordered likewife for working the purge off; and if the fkin was hot and dry towards night, I ordered the faline mixture before mentioned.

As the ftomach was always loaded with bile, and the inteftinal canal with faburra in the beginning of the fever, as appeared from the operation of those medicines, I judged those noxious contents ought quickly to be expelled, which that method effected in a gentle manner.

They who had a diarrhœa accompanying the fever, were either ordered manna with the falts, or rhubarb alone to purge them; and they had no faline mixture prefcribed, nor accid in their drink.

If it was the fecond day before the purge was taken, the patient had no other medicine until night, when the faline mixture was ordered with diluting drink. Otherwife I ufually gave the faline mixture---always with one of the antimonials---every four hours, and plenty of cooling drink, with a view to procure a remiffion. But in fome cafes, notwithftanding this refrigerating, relaxing, and aperient method, I was obliged to give fmall quantities of falts every other day, without which they never had a ftool, though they drank commonly tamarind beverage. In others it was neceffary at times, to give draughts of an infufion of camomile, to promote the difcharge of bile upwards as nature indicated. But when the vomiting was violent or frequent, I added fome tinct. thebaic. to the faline mixture, and likewife for the headach when it was very violent; both of which it relieved only while the effect of the dofe continued.

In this manner, the mixture with the antimonials and their drink was administered for feveral days, but in the cases attended with the purging, I gave rhubarb, and ipecacoan. with opiates in small doses, and demulcent drink.

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Befides

* I was often obliged to use the mineral acids for want of the vegetable acids.
Befides thofe, I tried at different times, when the pulfe began to fink, when the headach was vehement, or other nervous fymptoms appeared—the pulv. contrayerv. infuf. & tinct. ferp. virg. aquæ fpirituofæ, fp. vol. aromat. confect. cardiac. & mofch. and I fometimes experienced the good effects of them, particularly, when blifters were likewife applied. They raifed the pulfe, relieved the headach, quieted the nervous fpafms confiderably, and removed the ftupor or coma in a great meafure. But bark was too often *wanted* to compleat the cure. Camphor was ferviceable in one cafe only.

They who had the fever in its mildeft form, now and then eat a little fago, thin rice gruel, or panada with a little fugar and cinnamon; but the reft would not fwallow the least grain of food, until a favourable crifis was obtained.

SECTION V.

Cafes of the remitting Fever.

CASE I.

C. P. about 32 years of age, very flout, of a healthy complexion, and had never been in a hot climate before, complained the 14th of August, p. m. of a fickness at the stomach, and an inclination to puke; a headach; thirst; and that he was much out of order. His pulle was very little quicker than natural, though his skin was hot and dry; and his tongue was of its natural colour. I prescribed the emetic tart. which operated very well; and at night gave him a faline draught, after the usual manner, and barley water four with nitre in it for his drink.

2d, A. m. He found himfelf rather better; but about 3 p. m. he turned very hot, thirfty, and uneafy. A dofe of falts and manna were ordered for him; and as foon as it was worked off, the faline mixture was repeated every hours, and tamarind beverage allowed him for common drink.

3d, He fpent a very bad night. His fkin was very hot and dry; his countenance much flufhed; the blood veffels of the tunica conjunctiva of the eyes were quite turgid; his tongue was dry and foul; and his pulfe quick and full. But he complained only of being hot; that he was much out of order; and that nothing which he took had any tafte. The faline mixture was well diluted, and repeated every two hours, with nitre in it, and tamarind beverage allowed for drink. He had one ftool in the day.

4th, He was not quite fo reftlefs in the night, but made water feveral times, with a fcalding; and perfpired freely most part of the night. A. m. he was

not

not quite fo hot, and feemed more lively; but his tongue continued foul; and though he was very thirsty, no drink pleased him. P. m. He puked fome phlegm feveral times, which made him hot, and exceedingly reftlefs, until he fell into a profuse perspiration each time. A violent paroyxim followed foon after, with a pain and heat in his right foot; giddinefs; anxiety; and great inquietude. His pulfe was ftrong, but not quick; his fkin was exceeding hot, with a clammy moifture on it, which impreffed a very difagreeable fenfation on the fingers fome time after feeling of his pulfe; and his tongue was white, dry, and chopped in the middle, with a red margin, and trembled much when he put it out. At ten p. m. his pulse was extremely quick; his fkin dry; his urine very high coloured, with a cloud at the top; he was afraid to fleep, becaufe of frightful dreams and notions which made him ftart out of fhort flumbers; he was apprehensive of dying; and wandered a little. He continued his mixture with the nitre (and antimonials always) in it. And at three, p. m. eight grains of campbor were prefcribed every three hours; and his drink was frequently changed. He had two copious stools.

5th, He was troubled much with inquietude in the night, and at four a.m.his reaching returned; after which he had a copious loofe ftool; and perfpired freely. The fever and all the fymptoms gradually decreafed, and a perfect remiffion began at noon; when his urine was ftill high coloured; with the cloud much fubfided, though not near to the bottom of the glafs. This paroxyfm terminated the fecond period of the fever. He continued his medicines, as prefcribed the preceding day, until noon; when a drachm of the pulv. cort. Peruv. was ordered every hour; but after 9, p.m. he only took it every two hours for the night; which agreed very well with him though only given in water, and procured him feveral copious ftools.

6th, He continued cool and eafy after a tolerable night's reft; got up, and was fhaved and fhifted. He complained then of giddinefs; great weaknefs of his loins, and had no appetite. At 6 p.m. he found the pain and heat returning into his foot and leg; with his headach, and heat; and at 7, the fever, and all the former fymptoms came on with increafed violence. He took his bark regularly every two hours, until the paroxyfm commenced, when his ftomach would not retain it. On the intermediate hours, chicken broth was allowed him, and one difh of coffee, which he was defirous of. Afterwards the camphor---this is the only cafe wherein the ftomach would bear it,---the faline mixture, and his drink, were repeated as on the 4th.

7th, He had an exceeding bad night. A. m. His pulfe was fofter; all the fymptoms continued though he was in a flate of perfpiration. He raved, his head was quite light, he faid, and his tongue was black. At noon he fell into a very found fleep, which continued till 7 p. m. with a moderate perfpiration. He found himfelf quite cool, and eafy when he awoke, and never had 8th, The bark was continued afterwards, until he was perfectly recovered, and in all he took * ten ounces of it.

Before the 10th day from his being taken ill, his head was remarkably affected from the least drop of wine either with his bark, or diet, which was very light. A confiderable time after he got well, he complained of great weaknefs in his eyes; and of the pain in his foot and leg.

CASE II.

If, M. R. aged about 27 years, who was very healthy, though of a thin habit, and a delicate conflitution, on the 25th of August, at noon, in feeling a boy's pulse as he expired—of the remitting fever---received an inftantaneous shock, as if he had been strongly electrified, which was immediately followed by such a prostration of both his spirits and strength, that he could with much difficulty get upon deck, or afterwards be kept from fainting for some time. From the commencement of the fever on board, he had taken every forenoon, a drachm of the cortex, with a little of the tincture in water, and therefore took the same quantity then; but though he likewise repeated his draught, p. m. his spirits continued greatly depressed; he was quite pale, towards night his memory failed him very much, he was momentarily apprehensive of being surprised, plagued with filly notions, giddy at times, very little fatigued him, and he had no appetite; his pulse was rather languid, and his skin hot without any perspiration on it.

2d, His fleep was much interrupted with frightful dreams, wandering pains, and weaknefs in his loins. *A. m.* He had no appetite, his fkin was dry; and he had no particular complaint, though he found himfelf much indifpofed. However, he ftill attended his duty, took his bark as on the 1ft, and a glafs of wine in the day as ufual. At night he became very hot and reftlefs, and all his fymptoms more violent.

3d, He was troubled with great inquietude and uneafinefs in the night. A. m. in every refpect he found himfelf worfe, when he took fome tart. emet. which brought much bile off his ftomach; and in two hours after, a dofe of falts and manna that operated very well. P. m. His fever, with thirft now ftill continued; and at bed time, he therefore took the following draught, and drank freely of weak accidulated tea through the night. Q. miftur. falin. dilut.

Doctor Lind, has omitted the three ounces which he used while he was in a convalescent state; and therefore fays, he only took seven ounces. See the note p. 64, of his book on hot climates. dilut. Jils. ag. cinnamom. fp. 3i, tinct. ferp. virg. zn. eff. antimon. gt. xx. tinct. theb. gt. x. facch. alb. ad gratum faporem fiat hauftus.

4th, He had no fleep, though he perspired freely, and was easy in the night. a. m. his pulse was pretty regular, his skin cool, a fediment appeared in his urine, which was high coloured; and he was in better fpirits. He took an ounce and a half of the cortex in fix hours, and never had any return of his fever, notwithstanding he daily continued attending the fick. He did not leave off taking the cortex regularly, for a confiderable time.

SECTION VI.

Observations concerning the Cause of the Fevers prevailing on board.

HE time when, and manner in which the preceding cafe occurred, puts it beyond a doubt, that remitting fevers are contagious. But I am not of opinion, that Dav. Clency, who came from the Hound Sloop, on board of the Weafel, and fell ill the day after of a true fimple Tertian --- with real intermiflions, as appears from his cafe --- infected the thip's company therewith, notwithstanding the Serjeant was the very next day feized exactly with the fame fever as his; and all the Protei-form appearances---if I may be allowed the expreffion --- under which remitting fevers attack : and though that excellent practitioner, Doctor Lind, upon conversing with him on that head, was inclined to think that Clency had infected our men. One would imagine from the fimilarity of the two cafes, that the Serjeant was infected from him; but he must at that rate have caught it in the first paroxysm of Clency's fever; for Clency had only had one before he was feized with his. Belides, the remitting fever did not make its appearance before the Serjeant and Clency were quite well. I must likewife add, that if it was effentially one and the fame fever --- no two fevers ever differed more apparently.

What still confirms me more strongly in my opinion, is that both of his Majefty's Sloops, the Hound and Merlin, which were then at different places on the coft---the one was at Senegal, and the other at Sierra Leon---had the fame remitting fever as we had on board of the Weafel; and buried each of them the fame number of men, if I am rightly informed, without having contracted it by infection --- The weather alone-or the heavy rains, &c.- in my opinion, were fufficient to occasion the fever. See the abstract thereof, pages 5th and 6th.

However, whether my reafoning on this head be fufficiently just, or otherwife; it is by no means advanced with a defign to inculcate lefs care or caution on board of a healthy thip, to avoid by all poffible methods, having the leaft intercourfe with fickly thips, than is abfolutely neceffary; and much lefs to encourage them to admit a fickly perfon on board in any climate, either from a ship, or the shore. A very fickly man was received on board of a ship, of which which I was furgeon, on a remarkably healthy flation, out of charity, contrary to my advice, of which the confequence proved very fatal, and the fever thereby occasioned, continued in the ship for months after.

Before I conclude this part, it becomes neceffary for me to affign a reafon why I did not fay any thing of, or even mention the bark amongft the remedies which I made ufe of, in the general method of treatment of the fever. I know that it was the only medicine which poffibly would have faved fome of the lives of those who died in it, but as I had it not to prefcribe in a fufficient quantity to become effectual in those cases, I could not fay, without doing much violence to my own opinion, that it failed in any of them; and therefore thought it most proper to omit it. Befides, was I to advance that it failed in curing of this fever, because I did give it, though not liberally enough to answer the purpose, it might be productive of much mischief, if any younger practitioner than myself was thereby prevented from depending wholly, in a manner, upon the bark in curing the remittent fever hereafter.

So far from advancing any fuch erroneous affertion, I thought it a duty incumbent on me to acquaint the commiffioners for fick and hurt, as foon as we arrived in England, that I was perfectly convinced most of the men who died of that fever had been lost from my having too little bark; and that I had brought home feveral very bad cafes from the fame cause, notwithstanding I had carried out with me more than three times the quantity which was fent on board from apothecary's hall for foreign fervice.

But in the malignant cafes of the fever, the flomach would feldom retain a fingle dofe without the tinct. thebaic. being joined with the cortex. However, I have fince experienced, that with the addition of wine only, the flomach has been enabled to retain it when the remiffion was very imperfect.*

I am of opinion that a reproach is frequently thrown out not only against the bark but other valuable remedies likewise, by practitioners giving them in quantities much inadequate to the disease with which they have to cope; or in a manner disproportioned to the expectations which they form, on administering them; which are exactly the same in the consequence.

If fuch gentlemen therefore, inftead of afferting politively in general terms, that fuch and fuch remedies failed in certain difeates, would take the pains to relate the particulars of fuch cafes minutely, in which they were administered, taking care to mention at the fame time what quantity of the medicine they exhibited in a dofe, how often it was repeated, the patient's manner of living, &c. they would do more towards promoting the real knowledge of medicine than all the dogmatical affertions, which they could poffibly advance, ever can; and they would be much more regarded by every gentleman of candor and eminence of the profession, for fo doing.

• See Part III

END OF THE FIRST PART.

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PART II.

The Meteorological Journal, and State of the Sick Lift on board of His Majesty's Ship, Rainbow, in 1772, 1773, and 1774.

CHAPTER I.

THE DIARY OF THE WEATHER AND STATE OF THE SICK LIST, BE-TWEEN THE 30th OF DECEMBER 1771, AND THE 26th OF AUGUST 1772.

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Ycar, Months, and Days.	Hours.	Thermome- ter	Latitude or different parts.	Longitude made.	Moon's Age.	Winds.	Rain and Dew.	Appearances of the At- motphere.	REMARKS, AND STATE OF THE SICK LIST.				
1771 Dec. 30 Die Lunæ	777	55 57	Off the Lizzard	and .	24	f NE t ENE **		cl.	Sailed from Spithead yefterday about noon, in com- pany with His Majefty's Sloop Weatel; five colds with flight fevers in the lift.				
31	777	57 57	47° 29″	From the Lizzard 03° 33″W	25	ENE ***	л	cl.	A cold added to the lift; 6 in it.				
1772 Jan. 1 Die Mercurii	7 12 7	57 58 57	45° 27"	06° 32″W	26	ENE ESE ***	14	cl.	Three of the colds returned to duty, and 3 remain in the lift. The air is much milder.				
120	1	11	O WO	manne		Partie 1	-		STEE TO DIPOO TOT				
2	7 12 7	58 61 56	42° 40 ¹	07° 58″W	27	f ENE t SEBS ***		cl.	A cold added to the lift ; 4 in it A cold evening,				
3	7 1 2 7	58 57 57	39° 40″	09° 05″W	28	f ENE t SEBS ***		cl.	No alteration in the lift. The colds are feverifin and have a cough.				
4	7 12 7	59 60 60	37° 45″	09° 48″W	29	f ENE t SEBS **		cl.	A cold added to the lift; five in it. Very pleafant weather.				
5	7 12	61 61 60	35° 22"	10° 20"W	m. a. m.	f ENE t SEBS ***		cl.	The colds-all of which proceeded from iregulari- ties-are better. No alteration in the lift.				
6 - 3.2	7 1 2 7	61 64 62	33° 05″	10° 16″W	2	f ENE t SEBS ***		cl.	A cold added to the lift; 6 in it. Seven p. m. we anchored at Madelra in Poncheall Bay which is very open.				
7	7 13	63 65 63	Madeira		3	ESE **		cl.	One cold well, and another added to the lift; 6 in it.				
· 8	7	66 69 65			4	ESE **		cl.	No alteration in the list.				
9	7	67 71 68			5	W WBN		cl.	A contusion added to the list; 7 in it. A warm day.				
10	7	68 69 68			6	f SW tNNW ***		cl.	One cold returned to duty; 6 in the lift				
11	7 13 7	69 70 70			7	WBN***		cl.	One of the colds is a venereal; one cold added to the lift; 6 in it.				

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	Year, Months, and Days.	Hours.	Thermome- ter.	Latitude or different Parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the At- mofphere.	REMARKS, AND STATE OF THE SICK LIST.
	1772 Jan. 12	7 12 7	68 71 69	law in our of	n en cran n provincian pr	8	f WbN tWSW**	100	с.	The contumon returned to duty ; 5 in the lift.
	13	7 12 7	- 69 71 69	de al a glian	aointan a	9	f EbN t ESE		v c.	Four of the colds returned to duty: the cold re- maining in the lift is rheumatick.
	14	7 12 7	69 71 69	Madeira	e noith noise o	10	f EbN t ESE **	NI IV	cl.	One rheumatism added to the lift; 2 in it. Sailed at four p. m. in company with the Weafel.
	15	7	70 71 70	3°° 35″	from Ma- deira 00° 42″ E	11	E. ESE**	1-	cl.	One feverifh complaint added to the lift ; 3 in it*
	16	7 12 7	70 71 69	Teneriff	00° 5 5 ″ E	12	E **		cl.	No alteration in the lift. Anchor'd at 4 p. m. in St. Cruze Road, which is very open.
	17	7 12 7	72 72 70	ante Alla antes surres	dr'el en vie Lignes lo	13	Nly **	**Y		One fewerifh complaint added to the lift; 4 in it, Employed watering the fhip; the water very good. A. m. fultry.
	18	7 12 7	73 71 69	Art and the	hê, m k 11 î li vilî hi pola	14	Nly **		, cl.	No alteration in the lift. A. m. very fultry. A fog continually over the high land.
-	19	7 12 7	70 70 69	the life (12) Capitada d	et mittbbe o dr.nt.koolg	15	Nly **	10	cl.	Two feverifh complaints well, and two added to the lift; four in it.
	20	7	70 70 69	1	and in the fill	p. a. m.	V **		C.	One contution, and one feverifh complaint added to the lift; 6 in it.
	21	7 12 7	70 71 71	ente brolle : const, const,	lini (se i lini (se i lini (se i	17	V **	• • 3	с.	One feverish complaint well; and one contusion added to the lift; 6 in it.
	22	7 12 7	72 71 70	a orre se to A see the share		18	fNW tWSW**		cl.	One feverifh complaint well; 5 in the lift. Sail- ed with the Weafel at 3 p. m.
1000	23	7 12 7	72 71 70	27° 37″	ne filed fo	19	fW tNW***		cl.	No alteration in the lift.
	24	7 12 7	71 71 70	24° 37″	from Tc- riff eo°31"W	20	WNW**		с.	One contution, and one rheumatifm well; 3 in the lift,
	Uses			nassinar n lateral ctr c stice	in a shi					H

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Year, Months, and Days.	Hours.	Thermome- ter,	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere.	REMARKS, AND STATE OF THE SICK LIST.
1772 Jan. 25	7 12 7	72 71 71	22° 30″	01°14″ W	21	f WNW t NNE **		с.	One severish complaint well; 2 in the lift. Very pleasant weather.
26	7 12 7	72 72 71	20° 52″	01° 1 2″ W	22	V **	N di XEI	c.	The contution well; I in the lift,
27	7 12 7	72 72 72	19° 06″	00°23"W	23	F WNW t NE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	с.	No alteration in the llft.
28	7 12 7	73 74 72	18° 05″	00° 26″ E	24	•		c.	The rheumatifm—now an ulcer—in the lift only.
29	7 12 7	74 74 73	17° 48″	00° 39″ F	25	Nly *		c.	No alteration in the lift.
30	7 1 z 7	74 73 73	16° 04″ Senegal	00° 22″ E	26	Nly *		с.	Only one in the lift. Anchor'd with the Weafel off Senegal Fort at noon.
31	7	74 73 72	15° 57"	From Senegal 00° 17″ W	27	N **		cl.	At 11 a.m. failed, and left the weafel. No alter- aton in the lift,
Feb. 1 Die Saturni	7	73 75 73	15° 27"	03°16″W	28	NbE NNE **	112	cl.	No addition to the lift. The Thermometer was placed in the Captain's cabbin,
2	7 12 7	74 75 75	15° 11″ St. Jago	06°04″W	29	NNE **		с.	One in the lift. At 6 p.m. anchor'd in Praya Bay=St. Jago one of the Cape de Verde Islands — The land round it is high except a fmall beach where boats land, beyond which is a marfhy vale where fome wells are; of which the water is very indifferent,
3	7 12 4 7	74 78 80 78	Praya Bay. in 14° 52″		m. p. m.	NNE **	1 2 2 2 2	с,	Anchor'd rather too near a very fickly outward bound Dutch Eaft India-man; above 100 bad of the remitting fever, and dyfentery, and buri- ed a good many. A conflant frefh Sea breeze over the highland. The Sentinel on the booms over the water was taken ill in the night; 2 in the lift.
4	8	81			2	NNE **		с.	One feized last night with feverish symptoms; 3 in the list. Yesterday's complaint a remitting fever. P. m. very warm.
5	8 12 8	79 76 79 77	St. Jago	there.	3	NNE **		cl.	Yefterday's complaint well, r contufion, and 1 fever, who was taken bad the 3d, added to the lift; 4 in it. Several of the gentlemen and men on board perceive a very difagreeable fmell from

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Service and	Y car, Months, and Days.	Hours.	Thermome-	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere.	REMARKS, AND STATE OF THE SICK LIST.
the state of	1772 Feb. 5.				n ny dia si na ny dia si na na na na na			142.83		the Dutch Indiaman at times. Plenty of hogs, Goats, Turkies, and Fowls to be bought for old cloaths a fhore; but they have no vegetables,
	6	8	76 77 74	non ministra Transferra	in find a	4	NNE **	1 53	cl.	One fever added to the lift. Yefterday's fever is a remittent; 5 in the lift. 4. p. m. Sailed. The people bought a good many Hogs, Goats, &c.
	7	8 12 8	74 74 74	13° 41″	from St. Jago 02° 05″ E	5	NE **	dires	cl.	One feverish complaint added to the list ; 6 in it.
	8	8 12 8	74 73 73	1 1° 49″	04° 49.″ E	6	NE **	di 2	cl.	Two feverish complaints added to the list; 8 in it. The feverish complaints are flight remittents.
	9	8 12 8	73 72 74	10° 06″	07° 07″ E	7	NE *	*	cl.	One feverifh complaint added, the 6th and the one of the 7th well, t with eruptions added to lift; 7 in it.
	10	9 12 8	72 72 75	09° 09"	08° 26″ E	8	NE *	*	cl.	One flight indifpolition added to the lift; 8 in it.
	11	8 12 8	75 78 77	08° 44″	09° 36″ E	9	NE *	*	cl.	The contusion and i with cruptions well; and t feverish complaint added to the list; 7 in it. At 9 p. m. anchor'd off Sierra Leon River.
	12	8 12 8	78 79 80	Cape Sierra Leon. 08° 30 ⁷⁷	algenes buch	10	NE*	*	h.	At 6 a. m. failed, and anchored at 5 p. m. in Sier- ra Leon river. The indifposition of the 10th well, and 1 lame added to the lift; 7 in it.
	13	8 12 4 8	78 80 81 80	ALL ALL ALL		11-	Sb & lb	*	h.	One added to the lift with feverifh complaints; 8 in it. The Sea breeze blows over part of the land which is covered with thick trees and fhrubs, with a fogg always over them; which becomes thick towards fun fet. The land breeze blows from high hills covered in the fame man- ner, which can feldom be feen for fog.
-	14	8	80 81			12	Sb & lb	*	- h.	Two fevers well, i of them bad remittents; 6 in the lift. Our watering tent fixed afhore on the
	tes W su	48	82 80		Berlinsk apt Berlinsk apt Berlinsk Berlinsk Berlinsk		*	di 18-		beach which is overflown at high water; and emits noxious exhalations when the tide leaves it. A gentleman and eight men fleep in the tent; and in the night it is covered with fog. It is always hazy on the river though the fen
-			-	h Roy Mos	di Varrada	10	- 4	16 . 20 .	2 15	fhines,
	15	8 12 4 8	80 81 82 80	an the solid part substant the completent		13	Sb & lb	*	h.	The feverifh complaint of the 13th well; 5 in the lift. A party of the men go afhore every day to cut wood; but come on board at night. Very good water here, unlefs in the tainy feafons, when it is thick,

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Ycar, Months,	.zyeu bue	Hours.	Thermome- ter	Latitude or different parts.	Longitude made,	Moon's Age.	Winds.	Rain and Dew,	Appearances of the At- mofphere.	REMARKS, AND STATE OF THE SICK LIST.
177 Feb.		8 12 4 8	79 80 81 79			14	Sb & 1b	*	h.	The lame complaint well; 4 in the lift. Plenty of fifh in the river, but no flock, and very few vegetables to be got afhore; which is chiefly owing to the indolence of the natives.
1		8	79 80 80	and all and the second and		15	Sb & lb	*	h.	One feverish complaint returned to duty; 3 in the list. Very heavy dews.
18	8	8	78 79 81			р. р. т.	Sb & lb	*	h.	No alteration in the lift.
		8	79						01 3	10 "CA 30, CA 240, AND AD AL
1	9	8 12 4 8	79 79 81 79			17	Sb & lb	*	h.	One feverish complaint, 2 diarrhæa, I with erup- tions, and I cough added to the lift; I of the remitting fevers and I of the feverish com- plaints well; 6 in the lift.
20	0		79 79 79 81 79		pent might co	18	Sb & Ib	*	h.	Yeflerday's feverifh complaint well; and 3 added to the lift; 8 in it.
2	1	8 12 8	79 80 80	anne a den Star Anne Star Anne Star Anne	ninghant an San Ding an San San San San San San San San	19	Sb & lb	*	h.	One of, the diarrhœa of the 19th well; 7 in the list.—The Sea and land breezes are very irre- gular.
2	2	8	80 79 80	Sierra Leon	in and in the same of the second	20	Sb & ŀb	*	cl. h.	A deaf complaint added to the lift; 8 in it,
2	3	8128	78 79 79	dalar fallari generat adı teatrina "J adır geli adı al denner d		21	Sb & Ib	*	h. cl,	A feverifi complaint of the 19th well. The Wea- fel came in. Her men were feized with ca- tarrhous complaints while they lay at Senegal from thick foggy, difagreeable weather, and are not yet well.
2	4	8 12 8	79 80 80		chaider . ess	22	Sb & lb	*	h. cl.	Seven in the lift. The dews are lefs than they were,
	and	-			1			-		
2	5	8	79 81 80			23	Sb & lb	*	h. cl.	One diarrhoza of the 19th, and 1 feverifh of the 20th well; 5 in the lift. None of the Weafel's men fleep afhore.
2	6	8 12 8	80 81 81			2.4	Sb & 1b	*	h. cl.	A fever of the 20th well ; 4 in the lift. Every perfon on board complains of their fleep not re- freshing them.
2	7	8 12 8	80 80 80	08° 13″		25	f WNW t NWbW	*	h. cl.	One fever of the 20th, and one with eruptions well; p.m. a flight complaint well. I griped, and I feverish complaint added. 3 bad.

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Year, Months, and Days.	Hours.	Thermome-	Latitude or different parts.	Longitude made.	Moon's Age.	Winds.	Rain and Dew.	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
1772 Feb. 2	8 1 2	8 80 2 80 3 80	07° 10″	from Sietra Leon 00° 23"W	20	NNE *		h. cl.	One feverifh complaint added to the lift; 4 in it, A few flight fun-burned complaints not in the lift.
• 29	8	80	*6° 40"	00° 48″ E	27	V p. m. ≫		h. cl.	on board from a merchantman at Sierra Leon- 6 in it. 3 Fevers; 1 griped, 1 ulcer, and 1 deaf complaint.
Martii Die Sabbati	12	80	06° 26″	01° 58″ E	28	f NNE t NNW **	*	h. cl.	The feverific complaint added the 27th ult, is a bad remittent—he was one of the watering party at Sierra Leon, 2 feverifit, and 2 griped complaints added to the lift; 10 in it.
2	8 12 8	80	05° 40″	02° 40″ E	29	fWNW tN*	*	h. cl.	One of yefterday's feverifh complaints came from a merchant-man at Sierra Leon-he and the other man were exceedingly nafly when they came on board, and they complained of being flarved on board of the fhip which they came from; the I added to the lift the 29th ult, is a bad remitting fever; I to in the lift.
3	8128	81 79 81	05° 20" Going along fhore		30	fNNW tESE *	*	h. cl.	Two flight complaints well. and 1 added to the lift. The feverifh complaint added the 1ft from the merchant-man is an eryfipelas; 9 in the lift. 4 of them are bad remittents; 3 of which were of the watering party at Sierra Leon. Always hazy though the fun fhines.
4	8 12 4 8	79 80 83 81	04° 46″	anto - anto 2015 anto 2015 anto 2016	m. 1. in.	f NWbW t NE	*	h. cl.	Another waterer added to the lift with a fever; fo in it. Every thing very damp and mouldy on board; and wood fhrinks amazingly. The fails mildewed very much.
5	8 12 8	80 80 82	04° 20"	itani ani	2	v *	*	h. cl	No alteration in the lift. The Weafel's men have had bilious gripings fince we left Sierra Leon. It cannot be from the water becaufe our men have the fame. Very heavy dews.
6	8 12 8	80 82 80	C4° 15"	to, doment of any control form, control form, control form, control form, control form, control	3	v *	*	h. cl.	A waterer added to the lift with a fever; and a fe- verifh complaint laft night. P. m. The old ul- cer, and one flight fever well, 2 feverifh com plaints added to the lift; 12 in it.
7	8 12 8	08 08 18	04° 16″		4	v *	*	h. cl.	One waterer, a fever-1 feverifh, one of the wood- ers, and I griped complaints, added to the lift; I'5 in it-2 of them flight.
8	8	80 80 78	°4° 36″		5	v *	*	h. cl.	Noulteration in the lift. The evening very cool,
9	8128	78 78 79	°4° 54" along fhore		6	v **	*	h. cl.	Two flight complaints, the eryfipelas, and the lame complaint well; is in the lift, 7 of them very bad remittents, fix of whom were of the watering party. The wind moftly off the land, which is very uncommon here. The day cold.
1	1	1	1	1	1.1	1-1	1		I

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Year, Months, and Days.	Hours.	Thermome- ter.	Latitude or different Parts.	Longitude made.	Moon's age	9 20 6	Rain or Dew,	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
1772 Martii 10	8	79 80 81	05° 02″	from Cape Lehou 00° 32" E	7	V *	*	h. cl.	One headach and naufea, an old complaint- added to the lift. P. m. The wooder, and the griped complaints of the 7th well; ro bad.
11	8 12 8	18 81 82	05° 05"	01° 42″ E	8	v *.	*	h. cl.	One griped complaint added to the lift; 11 in it.
12	8 12 4 8	82 82 83 82	04° 57″ Appalonia		9	SSW **	4	h.	Two diarrhea, and 1 of the waterers with a fever added to the lift; 14 in it. Some flight fever- ifh complaints not in the lift. From 1 to 3 p. m. we were anchored off Appalonia, where we left the Weafel. A hot day.
13	8 12 4 8	82 82 83 82	05° 00″ Dick's Cove		10	SW *	*	h. cl.	One of yefterday's diarthæa well ; r3 in the lift. A. m. we anchored off Dick's Cove, and failed at 5 p. m.
14	8 12 4 8		Cape Coaft.	in the first con-	11	a.m. V*	32.	h. cl.	The other diarrhæa of the 12th well. At noon anchored at Cape Coaft. 51°. m. I carried the Thermometer down into my cabbin in the Cock Pit.
1.5	8 12 8	82	in the order of th	repetit (* 1997) States States States States States States	12	Sb & lb **	376 31	h. c.	One guinea worm, and one abscefs added to the lift; 14 in it. 9 A.m. brought up the thermo- meter to the Captain's cabbin again. The Sea breeze blows frefh; but there is very little wind in the night. Though feemingly a paradox, it is true, that it is hazy though the fun fhines bright, and no clouds.
16	8128	81		ci soltrado o salario teasos la anos costas	13	Sb & 15		h. c.	No alteration in the lift. The thermometer in the caftle—in the fhade—is generally at this time of the year between S2 and S5, and higheft at noon 1 am informed.
17	8	84	ine futurit o nation teta nation teta national teta teta effet side	Transa mangan Dagana ang ang Lang bang ang Lang bang ang ang Lang bang ang ang	14	Sb & lb		h. cl.	One feverish of the 7th; s of the 12th; and a diarrhœa with gripes, well; s diarrhœa with a nausea, and 1 severish complaint added to the list; 13 in it. The Weasel came in.
18	12	81	anda ta-an alaman algakaran	in a series ing i ban se ing a series se	15	v 🗶		cl.	One added to the lift with the piles; 14 in it. As- foon as the Tornado began the thermometer fell.
19		1	e lift. The	inai mainmada	р. 1. т.	V **		cl.	No alteration in the lift. The only vegetables to be bought is yams, and they are not plenty. Limes are very fearce.
20	L	8 81 2 81 4 84 8 83			17	.V.**		cl.	The headach of the 10th well; I foruncle, and I lame complaint added to the lift; 15 in it, P. m. very hot.
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Year, Months, and Days.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1772 Martii 21	8128	and the second second		a because of a	18	V **		cl.	The abice is of the 15th, the feverifh of the 17th, and yefferday's complaints well, I nausea with a cough added to the lift; 13 in it.
22	8 12 4 8	10.20			19	V **		cl.	A fever of the 6th well; is in the lift. It is only cloudy at times.
23	8 12 4 8	79 82 87 f. 84		ider bes s a still str des s des s des	20	V **	2 3 TH	cl.	The feverifi returned 21st, relapfed; 13 in the- lift.
24	8 12 8	83 84 84	te here og dans Statue		21	V **		cl. .	No alteration in the lift:
- 25	8 12 8	82 84 84	r solution	a protection -	22	V **	×	c.	The naufea of the 21ft well ; 12 in the lift—A very- few fowls only to be got here at prefent—and no- other flock.
26	812	81 82 82	p.m. Anamaboe		23	V *		cl,	The relapfed of the 23d well; II in the lift. Sail- ed at 5 p.m. and at 8 p.m. anchor'd at Anama- boe.
27	8	82 84 83	Tantum Querrie	minung (r.)	24	V *		cl.	The fever of the 3d, and the piles of the 18th, well; 9 in the lift. Sailing down the coaft, and touching at the Forts.
28	8 12 58	83 84 85 83	Winnebah		25	S **		cl.	The darrhose of the 17th, and the furuncle of the zoth well; 2 headachs added to the lift; 9 in it.
27	8 12 4 8	82 82 83 83	Acera	2 - 12 - 13 2 - 12 - 13 - 13 - 13 - 13 - 13 - 13 - 13 - 13	26	V **		cl. h.	The 2 fevers of the 29th ult, the fever of the 4th, and the fever of the 6th, well; 5 in the lift.
30	8 12 48	79 83 84 82	en del a fa la se setta en la e La raban del elastante en		27	W **		h. cl.	No alteration in the lift. The people were healthy at every place we called at, it being their heal- thy feafon; but fome have habitual tertians which they feemed to pay little regard to.
31	8 12 4 8	80 81 83 82		tan in the C	28	V **	17 Y	h. cl.	One headach of the 28th well, and 1 added to the lift; 5 in it. 1 Tertian recovering, 2 headachs, 1 guinea worm, and 1 lame. At noch tok our departure from the coaft, with the Weafel.
Aprilis 1 Die Mercurii	8 12 8	82 84 83	04° I 1″	from Accra 01° 06″ E	29	f SSW tWSW**		h. cl.	The lame complaint does duty, and a head ch added to the lift; 5 in it.

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Year, Months, and Days.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude nade,	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1772 Aprilis 2	8		03° 17″	01° 56" E	30	fSWbS t SbW *		h. cl.	Two headachs well; I griped complaint, I cold, fupprefied perfpiration—and I contumon added to the lift; 6 in it.
3	8 12 4 8	83 83 85 84	02° 45″	02° 22″ F.		f SWbS t SbW **	nie	cl.	The headach well; and I feverifh complaint added to the lift; 6 in it.
4	8 12 4 8	83 83 85 83	02° 17″	03° 20″ E	2 .	f SWbS t SbW *		cl.	The cold well; I cough, and I headach added to the lift; 7 in it. Very hot and cloudy at times only.
5	8 12 8		01° 59″	04° 03″ E	3	w *		с.	Yefferday's headach ; and the feverish of the 3d, well; 5 in the lift.
6	8	83 82 79	01° 20″	04° 57″ E	4	v 💥		cl. p.m.	No alteration in the lift. The men all got wet.
7	8	81 83 82	00° 59″	04° 28″ E	5	S *		h.	The griped complaint of the 2d, well ; 4 in the lift.
8	8	82 82 83	00° 07 ″	05° 22″ E	6	V * .		h.	Two headachs and 1 contusion added to the list; 7 in it.
9	8 12 4 8	18 18 28 18	°0° 17″	06° 32″ E	7	w		h.	One cold, a fuppreffed perfpiration, added to the dift; 8 in it.
10	8 12 4 8	82 82 83 83	00° 22″	06° 51″ E	8	w *		l. h-	No alteration in the lift. Anthor'd at St. Tho- mas's 5 p. m. together with the Weafel.
II	8 12 4 8	81 82 83 82	St. Tho- mas's ifland.		9	Sb & Ib *		h.	The contumon of the 8th well; 7 in the lift. The town is built on the leewardmoft part of the ifland which is not at all cleared of the woods; nor the marfaes drained; the confequence of which is, it is generally peopled from Portugal every 2d year, it prove fo fatal to Europeans. They are very fickly now. The water very good unlefs in the rainy feafon when it is quite thick.
12	8 12 4 8	82 82 84 83	-4642-111		10	Sb & Ib	1.11.1	h.	Né alteration in the lift. Plenty of Goats, Hogs, Turkies, and Fowls, to be bought a fhore for old cloaths; they have likewife Yams, Bana- nas, and Limes, to fell in the fame manner.

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Y car, Months, and Days.	Hours.	Thermame- ter.	Latitude or different Parts,	Longitude made,	Moon's age	Winds.	Rain or Dew.	Appearance of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
1772 Aprilis 13	8 12 4 8	1.000	eli, i al'in eli, i al'in eli ini al'al enging : T enging :	nico a la fain a militar a dinac, ana bas gnitar tripang val	11	Sb & lb	W.	h. 2	four men employed in wooding and watering the thip, but all fleep on board. No alteration in the lift. The if and abounds in Guinea frarrows.
14	8 12 8	1 100	St. Tho- mas's island.	s of the first state, and y the state of the	12	¥р. т		cl.	One of the headachs of the 8th well; and 2 lame complaint added to the lift; 7 in it. The Tor- nado rofe fuch a fwell that a boat could not land on the beach to bring the men on board at night. But the gentleman who commanded the water- ing party at Sierra Leon-being affore taking a
ined of a	1	es a la estica p (stight)	at St. Then b fave th fyn s always fflor	erat a fifting teadach-wit			9.	P. 0	walk-fwam off to the boat, fo much he dread- ed the confequence of lying allore again,
15	8 12 8	79	o do atolicado actividade a do arganesia do arganesia arganesi arganesia arganesia arganesia arganesia arganesia arganesia arg	non adi dina 1980 tali di di 1999 tali di 1993 tali di 1993 tali di	13	w •	a. m.	cl.	Three complained with headachs, and a ficknefs at flomach; to in the lift. Above 50 of the men lay affore laft hight in an exceedingly damp houfe, which lies very low with a large iwamp the oozy beach, and a river over living with trees and flowls, close to it; and are all fur-
a man fr Ra			ore unlied to	la și alve Jeși					rounded with very thick woods, and fhrubs, that are conflantly damp, and covered with a thick fog in the night. They made large fires in the houfe and fmoaked. Both officers and men thought fome tinflure of bark which I fent them afkore this morning—the captain fent
of the Area			n 1 allims t (mn-ing t line t t	n godinen i 194an rej i 1 8 gitti otora					them wine to take it in-of very great benefit to themA number of the Wenfel's men were afhore too.
16 -	8 12 4 8	80 83 84 82	n de bricke orm de anteriorme frei bollen of	be also hey al and the bank be dife. Th residents	14	N p.m. *		cl.	The contunion of the sid, the other headach of the Sth, and the cold of the rith well; I con- tution added to the lift; 8 in it,
17	8 12 4 8	82 84 86 83	an Anna an Anna an Anna an	al also nord a arter press gel setter a	р. р. т.	Sb & 1b		cl.	Three of the men who lay afhore complained, with bilious vomitings, and a purging-2 of the headachs of the s5th well; 9 in the list. P. m. very hot.
18	8 12 4 8	82 83	the provide of the pr	ande offens I fander 2 mag Gengef ader 10 Januar 10	16	SE *	•••	cl.	One of yefterday's complaints well; 2 flight fevers, and 1 diarrhea added to the lift; 11 in it. The men buy a good many fowls, &c.
19	8 12 4	83	in gebreider in gebreiten in die ode in die	and a stress and a stress of the stress of t	17	<u>X</u> m.		c.	One headach with vomiting added to the lift; 12 in it. 1 of them is a flight complaint. Some of the men were afhore during the Tornado, and got wet. Got 2 bullocks on board for the flip's company.
20	8 12 4	83 84	ander to tra	nata san nata san nata san	18	Sb & lb		cl.	The oldeft Sierra Leon remittent, the headach of the 15tb, and the contumon of the 15tb, well 3 9 in the lift,
the off of and he had he come head a comotion	8	83	fergina non rificator san's, ven a serv etta re calv.	tin baca a t a t a t a t a t a t t bat a t bat a t t bat a t t bat a t t bat a t t bat a t bat a t t bat a t bat a t t bat a t bat a	9				1 11 20 00 124 20 103 0 10 12 10 10 1 often and proceedings of 2 10 10 10 10 1 often and proceedings of 2 10 10 10 10 10 1 often and proceedings of 2 10 10 10 10 10 10 1 often and proceedings of 2 10 10 10 10 10 10 10 10 10 10 10 10 10
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Year, Months, and Days.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dow.	Appearances 1 of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1772 Aprilis 21	8 12 4 8	82 81 77 80	and as pri-	ile not speed Diversi interes	19	a. m. 💥		cl.	One of the complaints of the 17th; and the flight complaint well. 1 of the gentlemen who lay afhore, was feized laft night with a bilious vo- miting, and purging; 8 in the lift. Sailed in company with the Weafel at 4 p. m.
22	8 12 8	82 83 82	00° 30″	and add to a second sec	20	v *	6	h.	One of the flight fevers, and the diarrhea of the 18th, and yefferday's complaint, well; 5 in the lift.
23	8 12 8	81 79 79	00° 05″		21	a. m. 💥 p. m. V		cl.	The other flight fever of the 18th well. 1 who went a fifting at St. Thomas's complained of a headach—with feverifh fymptoms—5 in the lift The Tornados always blow from the S E.
24	8 12 8	81 83 82	00° 04 ″ N	from St. Thomas's 01° 20" W	22	v *		cl.	One of the complaints of the 17th, the headach of the 19th, and yesterday's complaint well; r lame complaint from a guinea worm, added to the lift; 3 in it.
25	8 12 4 8	84 85 f.	00° 09″ S	00° 58″W	23	v *		cl.	Two who lay affiore added to the lift with fevers 3. 5 in it.
26	8	83	00° 14″ S	01°27″W	24	v *	·	cl.	Two naufex, and I affimatick complaint with an intermittent fever-from the Weafel-added to the lift; S in it.
27	8 12 8	82 82 82	°0° 41″	02° 10″W	25	S *	9.10	cl.	Two who lay affore added to the lift with fevers, and the lame complaint of the 14th well; 9 in the lift. Those added on the 25th are very bad remittents.
28	8 12 8		01° 12″	03°35″ W	26	S*	41.5	cl.	One boy who lay afhore added to the lift with a fever; 10 in the lift.
29	8 12 8		01° 45″	04° 48*W	27	v •		cl.	Two who lay affore added with fevere-all the fhorers that are in the lift are bad remittents- and 2 other flight fevers added to the lift; 14 in it.
30	8 12 8		02 ⁹ 10 ⁶	05° 52″ ₩	28	V *	a. m.	cl.	One who lay affore, a fever, and I with feverify complaints, added to the lift; 16 in it. The fhorers added yesterday, and one of the other complaints are remitting fevers.
Maii 1 Die Vener	12	8.	03° 12″	06° 50″W	29	V **		cl.	The 2 naufex of the 26th ult. and the other com- plaint of the 29th, well; three who lay afhore, and 1 other complaint, added to the lift with fe- vers; 17 in the lift. 10 bad remitting fevers, 4 flight fevers, 1 afthma or ague, 1 guinta worm,
		atres e bo d	linne print Departs i de		-		-		and I ulcer. Parted company with the Weafel, IO of her men who lay aftere at St. Themas's, bad.
2	8	81 81 81	°3° 45″	09° 1 5″ W	m. p. m.		··	cl.	One added with feverifh complaints to the lift; 18 in it. 3 of yefferday's complaints bad ter- tians, and to day's, was one of the boat's crew who had been very often wet at St. Thomas's, Cloudy at times only.
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Year, Months, and Days.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moun's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1772 Maii 3	8 12 8	81 80 81	°3° 48″	11° 36″W	1	V *		cl.	The complaint of the 1st, who was not a shorer well; 17 in the list. 'Yesterday's complaint is a remitting fever.
4 .	8 12 8	81 81 80	04° 05″ R.	▶3°57″W	2	SE **		el.	The one added with feverish complaints the 30th, well; and I added to the lift with piles; 17 in it.
5	8 12 8	81 82 f. 82	04° 2 0″	1 ^{6°} 43″ W	3	SE **		cl.	The remittent of the 29th, who was not one of the fhorers, died a. m. unexpectedly. He was exposed a good deal to the fun in boats at St. Thomas's. There never was a remission of his fever: I flight complaint added to the list; 17 in it.
6	8 12 8	80 80 80	04° 20″	19° 37″W	4	ESE **		cl.	One of the fhorers of the 25th ult. well ; 16 in the lift. Cloudy at times only.
7	8 12 8	82 80 80	04° 20″	22° 06″ W	5	ESE *		cl.	The Weafel's intermittent, a very old complaint who came on board of us purpolely to be longer in a hot climate for his recovery-1 florer of the 27th ult. 1 of the 1ft, and the 1 of the 2d, all returned to duty; 12 in the lift.
8	8 12 8	82 80 80	04° 25″	23°43"W	6	v *		с.	One fhorer with feverifh fymptoms, and 1 headach, added to the lift. The other fhorer of the 25th, and 1 of the 27th ult. well; 12 in the lift.
9	8 12 8	80 80 80	04° 11″	25°47"W	7	SE **		c.	The laft piles cafe is a pox; II in the lift.
10	8 12 8	81 84 81	03° 18″	2 7° 1 3″ W	8	SE. E **	1.4	cl.	The complaint of the 28th, the florer of the 30th ult. and the headach of the 8th well; r florer added to the lift with feverifh fymptoms; g in the lift. The florer of the 8th a flight remit- tent.
11	8	81 81 81	01° 55″	29° 04"W	9	SE **		cl.	One of the fhorers of the 29th, and the cough of the 4th ult. well; 7 in the lift. Spoke a Portu- guele fhip.
12	8	81 80 81	00° 36" S	30° 00″ W	10	v **		cl.	The fhorer of the 8th well ; 6 in the lift. Cloudy at times.
13	8 12 8	81 81 81	01° 50″ N.	from St Thomas's 30° 19"W	11	SEbS *	•	cl.	One of the florers of the 29th ult, well; 5 in the lift.
14	8 12 8	81 80 80	02º 25"	30° 38″W	12	a. m. <u>–</u> p. m. N	p. m.	cl.	The florer of the roth well; a coxfwain who was often wet in the boar at St. Thomas's added to the lift with feverifh fymptoms; s in it.

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	Year, Months, and Days.	Hours.	Thermome- ter	Latitude or different parts.	Longitude made,	Moon's Ag	Winds.	Rain and Duw,	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
	1772 Maii 15	8 12 18		04° 08″	31°58″W	13	V F		cl. c.	Two of the florers of the ift, and yetlerday's com- plaint, well; i nanfea added to the lift; 3 in it, Cloudy at times.
1 1 1	16	812	18 81 81	04° 44″	33° 58"W	14	NE **	•••	cl. c.	Yefferday's complaint well; z in the lift.
	17	8 12 8	18 81 81	06° 01″	35° 5 0″W	р. а. т.	v *		cł. c.	Two of the fhorers who were well got intermit- tents, I cough, and I with feverifh fymptoms added to the hift; 6 in it.
	18	8 12 8	81 80 89	07° 1 2″	38° 06″W	16	NE **	*	cl.c.	No alteration in the 198. Heavy dews.
	19	8 12 8	80 80 80	08° 38″	40° 22"W	17	NE **	*	cl. c.	The feverific complaint of the 17th an intermit- tent; 6 in the lift. Cloudy at times.
	20	8 12 8	79 79 80	10° 01″	42° 46″W	18	NE **	*	cl. c.	The Weafel's man relapfed, and I cough added to the lift; S in it.
Contraction of the second	21	8 12 8	79 80 79	11° 19″	45° 06″W	19	NE **	*	c. cl.	No alteration in the lift,
	22	8 12 8	78 78 78 78	12° 08″	47° 00″W	20	NE **	*	c. cl.	Eight in the lift, Very cold air,
	23	8 12 8	78 78 78 78	12° 59″	48° 59″W	21	NE **	*	c. cl.	The cough of the 20th well; and 1 of the florers who recovered of his remutent, feized with an intermittent fever; 8 in the lift,
	24	8 12 8		13° 05″	50° 51″W	2.2	V **	*	c. cl.	No alteration in the lift. Very little dew.
	25	8 12 8	81 80 79	13° 17″	52° 45″W	23	Ely **	*	c. cl.	The ulcer of the 24th ult, does duty; 7 in the AR.
-	26	8128	81 80 80	13° 17″	55° 08″W	24	E	*	c. cl.	No alteration in the lift. The air now agreeably hot.
	27	8 12 8	80 81 81	15° 07″	57° 45″W	25	E NWbW		c. cl.	The intermittents secares flawly,
1	1	1						+		and the second se

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Y car, Months, and Days.	Hours.	Thermome.	Latitude or different Parts,	Longitude made.	Moon's age	Winds.	Rain or Dew.	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
1772 Maii 28	8	81	16° 26#	60° 29"W	26	ENE S ***		c. cl.	Seven in the lift.
29	8 12 8	81	16° 46" p.m. Antigua	laga bolipara	27	V **	• •	c. cl.	No alteration in the life yet. At 6 p. m. anchor'd in English harbour Antigua; it is very fmall and furrounded with high hills which keep the Sea breeze off, and render it very unhealthy.
30	8 12 8	80 81 81	babas bicici Ano diana Mari diana	ano pará por cedi - hito cedi - hito	28	ENE *		c. cl.	Seven in the lift. Admiral Mann commands here, five of His Majcity's thips in the harbour.
31	8	81 83 82	tita nelle terre	adirective adirective	29	SE *	aes d GL	с.	Sent I pox, and I very foul ulter who came from a guineaman to the hospital. The Wrafel's man returned to duty; In the life.
Junii 1 Die Lunæ	8 12 4 8	82 83 84 83			m. a. m.	SE *		с.	One of the men was killed p. m. by a fall from the main top maft head upon the quarter deck. He breathed only a few times on the deck. No wound appeared about his head; but his left leg was broke in two parts, of which I of the fractures was compound. The men drink new rum immoderately; 6 in the lift. 4 Intermit- tents, 1.guinea worm; and I cough.
2	8	82 82 83	nin ada (n n ult tapat para tapat para		2	SE *		с.	A feverifh complaint added to the lift; 7 in it. The thermometer afhore at the hospital was 87 at 2 p.m.
3	8 12 8	82 82 80	19. J.	Care species (and an other many of second	3	SE *		с.	Two of the intermittents well, 1. with feverifi- fymptoms, and 1 contufion, added to the lift; 7 in it. Sailed at 4 p. m.
4	8 12 8	80 82 82	St. Chrif- topher	A file () A A g file () A g f	4	EbS **		c.	One of the intermittents well; and I contusion added to the lift. At 9 a. m. anchored in Bath Terre road, and p. m. dropped down to Old road.
5	8	82 83 82			5	E **		с.	Fwo lame, and I feverifi complaints added to the lift; 10 in it. Employed watering the ship. The water is very good.
6	8 12 8	81 83 82	17° 17″		6	E **	a. m.	c. cl.	The guineaworm, and the intermittent, well. The intermittent returned to duty the 4th, has a headach from wafhing; 2 from drinking added to the lift with feverifh fymptoms; 1 of them was St. Thomas's remittent, and 1 contumon. 12 in the lift. Sailed at 6a, m,
7	812	83 81 81		From St. Chriftophers 02° 28″W	7	EbN *		cl.	The 1 added with feverifh fymptoms the 3d, well ; 11 in the lift.
8	8 12 8	83 81 81	17° 22″	04° 27″W	8	EbN E *	•	c. cl.	The complaint of the 2d, and the 2 feverifh ones of the 6th, well. 8 in the lift.

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	Year, Months, and Days.	Hours.	ter.	Latitude or different parts.	Longitude nade.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmolphere,	REMARKS, AND STATE OF THE SICK LIST.
	1772 Junii 9	8	85 83 82	17° 32″	06° 57″W	9	EbS **		cl.	One contusion added to the lift; g in it. The Thermometer's being highest in the morning is owing to the fun fhining in at the cabbin win- dows, though not upon it.
	10	8 12 8	82 83 82	17° 24″	08°43″W	10	fSE tNE*		cl.	The contumon of the 6th, well; the Weafel's man relapfed sgain, and I with feverifh fymptoms added to the lift; IO in it.
	I I	8 12 8	83 83 82	17° 59" Hifpai- io- Ia		11	E *		c.	Two lame complaints added; the 5th well; S in the lift. The feverifh complaint added sefferday is a remitting fever, he was siling once before, and was one of the fhorers at St. Thomas's.
the second se	12	8. 12 8	84 83 82	18° 14"		12	f EbS t SEbE		c.	The feverifh complaint added to the lift the 5th, well; 7 in the lift.
	13	8 12 8	83 82 82	P. m. Port Royal Ja- maica.		13	v		с.	The intermittent relapfed who was returned to duty the 6th, and 3 diarrhear added to the lift; the contation of the 9th well; 10 in the lift. At 3 p. m. anchored. Sir George Rodney com- mands here; 4 fail of the line, befides irigates and floops.
the second	14	8 12 8	83 85 82		en dieses Themeses Sale pas	14	Sb & 1b	1	с	The tertian added to the lift the roth, well; and an ulcer added to the lift; ro in it. The fhips are allowed fresh meat once a week.
	15	8 12 8	83 84 83			a.m. p.	Sb & Ib			Sent the 2 intermittents, the Wealed's man, (and I ulcer and a gout, neither of whom was in the lift) to the hofpital; 7 in the lift. The men drink immoderately of new rum.
	16	8 12 8	83 84 83			16	Sb & 1b		с.	The contumon of the 3d, and one of the diarrheæ of the 13th, well; and a rheumatifm added to the lift; 6 in it. The Sea breeze blows for regu- larly here in the day, that it is called the Doctor from its being for refreshing; but the land breeze is unhealthy. The fituation of Port Royal for receiving the whole benefit of the former, and being well out of the reach of the latter, renders it remarkably healthy.
	17	8 12 8	83 84 83			17	Sb & lb	p. m.	c. cl.	The contusion of the 3d, and 1 of the diarrham of the 13th, well; 1 lumbago added to the list; 5 in it.
	18	8 12 8	85			18	Sb & lb		с.	No alteration in the lift.
	19	8	82 85 86			19	Sb & 1b		с.	One complaint with gripes added to the lift; 6 in it.
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Year, Months, and Days.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere.	REMARKS, AND STATE OF THE SICK LIST.
1772 Janii 20	8	85	nit the word	, chalm de s chaos e cliev	20	Sb & 1b	a1 s	с.	The rhoumatifm, an eryfipelas, fent to the hof- pital, I contufion, and I with feverifh fymp- toms added to the lift; 7 in it.
21 (1) 10 moi (1) 000	8	85	the antis the second	rnoAutros o 1 ban , 416 i 1 at 2 : 1159	21	Sb & lb	61 2	с.	One contusion, and z deunken complaint added to the lift; g in it.
22	8	86 85	tod ttaidqa taa googj tu	tris Greater se barrêjeis ja ji	22	Sb & 1b	di n	c.	The lumbage of the 17th, the contument of the 20th, and yefterday's complaint from drunken- nefs, well; I with feverifh fymptoms added to the lift, 7 in it. The feverifh complaint of the 20th, the contument
23	8 12 4 8	86	the life.	i sciletzie :	23	Sb & 1b	22.5D	c. cl.	of the 21ft, and a flight complaint, well; 4 in the lift. A very hot day.
.24	8	85	saila iraqio tes s'durali uragentidu tuonati	on with fre to to by the fillents com and Hawk o	24	Sb & lb	100	c. cl.	One with feverifh fymptoms added to the lift; 5
25	8 12 4 8	83 85 86 84	ng han seoi nalog i has Dilandis si Janigʻon	to begind a generation with restance of foreeth wave soft.	25	Sb & lb		c. cl.	One diarrhœa added to the lift; 6 in it.
26	8	82 85 84	ke, porylyas stgano diren o	ao bilione e is The lo bad resultes	26	Sb & lb	N N	c. cl.	The feverifh complaint of the 22d, well; 5 in the lift.
27	8 12 4 8	82 84 85 84	10.30.013	nundal ed (27	Sb & lb		/ c. cl.	The old cough of the 4th April, and the other diarrhea of the 13th, well; 1 contufion, and 1 cold fupprefied perfpiration from fleeping on deck, added to the lift; 5 in it.
28	8 12 8				28	Sb & 1b		લે. c.	The griped complaint of the 19th, and the purging of the 25th well; 1 headach, and 1 inflama- tion added to the lift; 5 in it.
29	8 12 8	80 85 84	lining allers at a s a llers	the of the fit.	29	Sb & lb		cl. c.	The feverifh complaint of the 24th, and the cold of the 27th, well; 3 in the lift,
30	8 12 8	83	of die Lifte Rederkel, w with the Be	structure of structure of structure of structure of states	m. p. m	Sb & 1b	**	c. cl.	One diarrhea, the feverifh complaint returned yefterday to duty, and 1 wound added to the lift; 5 in it. I headach, I inflammation, I wound, I contufion, and I griped complaint.
Julii 1 Die Mercurii	8 12 8	82 85 83	Bil od ai	Ce alteration	cl.	Sb & 1b	******	c. cl.	One with feverifh fymptoms, and an inflamed leg added to the tift; 7 in it.
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r		-							10	in a second the design of the second se
	Y car, Months, and Days.	Hours.	Thermome- ter	Latitude or different parts.	Longitude made.	Moon's Age	Winda.	Rain and Dew.	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
1	17 72 Julii 2	8 12 4 8	83 85 86 84		- 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	2	Sb & lb		с.	The diarrhea, and the wound of the 30th ult. well; 1 contation added to the lift; 6 in it.
-	3	8	83 85 82		Die Sales	3	Sb & Ib		c.	The contusion of the 27th, the inflammation of the 28th, and the feverish complaint of the 1st, well; 3 in the list.
	4	8 12 8	82 84 82	anna i Bre i Bio		4	Sb & Ib		с.	All the feven complaints fent to the hofpital, come on board, 5 of them added to the fick lift; S in it
-	5	8 12 8	82 84 83		A dilani	5	Sb & 1b		c.	No alteration in the lift.
. Di	6	8 12 8	82 83 82	17° 36″	to scille form	6	ESE **	di 2	c.	Two with feverifh fymptoms added to the lift; 10 init, befides a number of ulcers. 5 a.m. failed in company with his Majefty's thip Boyne, and Hawk fehooner.
	7	8 12 8	82 83 82	17° 42″		7	ESE **	••••	cl.	The hospital ulcer, and gout, well; 2 feverifh complaints, and I guinea worm added to the lift; 11 in it. Some of the complaints return- ed from the hospital, worse than when they were feat.
-	8	8 12 8	82 83 82	17° 58″ R.	din idi.	8	V ESE *	3. 3	66 cl. 0	Two bilious complaints added to the lift; 13 in it. The feverifh complaint added the 6th, is a had remittent.
1 10	9	8 12 8	83 83 82	18° 05″	in contractor in contractor ingul, this office, and of	9	V **	di 3	c. cl.	The inflammation of the 1ft, does duty; 12 in the lift,
and the second second	10	S 12 4 8	82 84 85 82	18° 10 ⁴	not konjitalad Udiga odrika V Konor Jakit	10	V *	di 25	c. cl.	An hæmoptofis added to the lift ; 13 in it.
-	11	8 12 8	83 84 83	18° 45"	he formula of the syste	л.	V *	p. m.	cl.e:	One of the feverifh complaints of the 6th, and 1 of the 7th, well; 11 in the lift.
1 3 Z 10	12	8 12 4 8	82 83 85 83	19° 47″	a transformer	12	V **	41.8	c. cl.	The headach of the 28th ult, and the 2 bilious complaints of the 8th, well; S in the lift. Part- ed company with the Boyne, and loft fight of the Hawk.
	13	8 12 8	83 84 83	20° 00″		13	V **		e. cl.	No alteration in the lift.

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Year, Months, and Days.	Hours.	Thermome- ter.	Latitude or different Parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew,	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
1772 Julii 14	8 12 8	82 83 83	20° 04″		р. m	VE*		c. cl.	The other complaint of the 7th, and the guines worm, well; 6 in the lift.
15	8	83 83 82	21° 14″		15	ESE *		c. cl.	No alteration in the lift. 6 p. m. took our de- parture from the Great Cakos.
16	8 12 8	82 83 82	23° 34″	from the Great Cairos 00° 41″ E	16	ESE EbS **		cl.	Six in the lift.
17	8 12 8	82 83 83	24° 58″	01° 22″ E	17	f ESE t ENE *		cł.	No alteration in the lift.
18	8 12 8	82 83 82	25° 25"	01°36″ E	18	f ESE t NE*	a. m.	cî.	An inflammation added to the lift; γ in it.
19.	8 12 8	82 84 8:	26° 44″	02° 10" F	19	v *	p. m.	cl.	The remittent of the 6th, well; 6 in the liff.
20	81248	83 83 85 84	27° 40″	02° 58″ E	20	v •		cl.	No alteration in the lift. Scarce any wind,
21	8 12 8	83 84 83	27° 51"	03° 21" E	21	v *		cl.	Six in the lift. Very hot, and fearce any wind.
22	8128	83 83 83	28° 12#	°3° 51″ E	22	v -		cl.	One rheumatilm, and a diarrhœa added to the lift; 8 in it. The fame weather.
23	8 12 8	83 83 82	29° 02"	05 [°] 12″ E	23	SSW *		с.	No alteration in the lift.
24	8 12 8	82 82 82	29° 42″	06° 23″ E	24	SSW *		с.	Eight in the lift,
25	8 12 8	83 83 83	29° 58″	07° 12″ E	25	•		с.	No alteration in the lift. Little or no wind, and very hot.
26	8 12 8	84 83 82	30° 43°	07° 42″ E	26	SE *		c.	Eight in the lift.

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Months, and Days.		I hermonie-	Latitude or different parts.		Moon's age.	spuiva.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1772 Julii 27		82 82 81	32° 08"	109° 00″ E	27	31 -		с.	No alteration in the lift.
28	8 12 3	82 82 82	33° 14″	09° 52″ E	28	SE *		с.	The old hospital intermittent, and the Weafel's man, returned to duty, 1 cough added to the lifts 7 in it.
2.1	8 12 8	8 z 8 z 8 z	33° 30″	09° 52″ E	29	SE *		c.	No alteration in the lift.
30	8 1 2 8	18 18 18	34° 07″	10° 32" E	m. a. m.	SE *	1.40	с.	The cold of the 28th, returned to duty, 6 in the lift.
31	8	80 81 80	34° 58″	11° 37″ E	2	SE —		c.	The inflammation of the 8th, well ; 5 in the lift, I Eryfipelas, I contufion, I hæmoptofis, I rheumatifm, and I diarrhæa.
Aug. 1 Die Saturni	8 12 8	80 80 80	36° 07″ -	13° 44" E from Gr. Caicos	3	SSW *		cl.	One feverish complaint added to the lift; 6 in it.
2	8 12 8	80 80 79	37° 20″	16° 43" E	4	f SWbS t NW **		cl.	The hæmoptofis died, and r cough added to the lift; 6 in it.
3	8 1 2 8	77 76 76	37° 48″	18° 57″ E	5	NNE *		cl. c.	The yefterday's cough does duty, 5 in the lift.
4	8 12 8	74 75 75	37° 20″	20° 51″ E	6	f NE t ENE *		cl. c.	The feverifh complaint of the 1ft, is a bad remit- tent fever. No alteration in the lift.
5	8 12 8	74 74 75	37° 46″	21° 11″ E	7	f ESE t ENE *	1. N.	cl. c.	The contusion of the 2d ult, well ; 4 in the lift,
6	8	73 75 75	3 ^{8°} 32″	21° 24" E	8	ESE **		cl. c.	One foruncle added to the lift; 5 in it.
7	8 12 8	75 76 75	39° 11″	21° 33″ E	9	a. m. — p. m. NW *		cl. c.	No alteration in the lift,
8	8 12 8	76 77 76	40° 03″	z 2° 35 [∥] E	10	fNW tNWbN	-	cl. c.	Five in the lift,
1			2.5	1		12 1		1	

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Year, Months, and Days.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Mcon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere.	REMARKS, AND STATE OF THE SICK LIST.
1772 Aug. 9	8 12 4 8	76 78	40° 20"	23° 18″ E	11	t WSW	The set	c. d.	No alteration in the lift.
10	8	74 75 77	41° 00"	26° 12" E	12	f SbE t WSW p. m. **		c. cl.	The furuncle of the 6th, well; 2 with feverish fymptoms added to the lift; 6 in it.
is is and threads 11	8 - 8	76 76 75	41° 44″	29° 21" E	13	SW **	12	cl.	The cryfipelas, and the diarrhers of the 22d, well; I feverific complaint, and I contution added to
12	8	74 73 71	42° 14″	32° 47″ E	14	NW **	17.5- 17.10 14.94	cl.	the lift; 6 in it. Yefterday's contufion well; n the lift,
13	8 	71 69 70 72	42° 24"	35° 05″ E	р. а. т.	a.m. NW p.m.WSW	W2	cl. c.	The remitting fever died, 4 in the lift,
14	8128	73 73 70	43° 09″	38° 10″ E	16	f SWbW t WNW	WSW WSV	cl.	Two with feverifh fymptoms of the 10th, well; I feverifh complaint, and I cough added to the lift; 4 in it,
15	8 12 4 8	68 69 71 69	43° 41″	40° 17 [∦] E	17	NbE ENE *		cl. c.	One with feverifh lymptoms added to the lift; 5 in it.
16	8 12 8	63 68 68	43° 46".	42° 37″ E	18	NbE ENE *		c. cl.	Vefterday's, and the feverifh complaint of the 11th, well; 1 with feverifh fymptoms added to the lift; 4 in it.
17	8 12 8	68 68 70	45° 37″	44° 21" E	19	NbE ENE **		c. cl.	The complaints of the 14th, and yefferday's, well; 7 headach, and a rheumatifm, added to the lift; 3 in it.
18	8 12 4 8	69 67 72 71	43° 43″	45° 15" E	20	f WNW t NW **		cl	Two with feverifh fymptoms; and I contufion added to the lift; 6 in it.
19	8128	70 69 67	45° 01″	47° 54″	21	WNW NE ***		cl.	The rheumatism of the 17th, well; and an in- flammation added to the list; 6 in it
20	8 12 8	65 64 63	45° 18"	49° 20″ Ę	22	f NbE t NW **		cl.	No alteration in the lift,

Year, Months, and Days.	Hours.	Thermome- ter	Latitude or different parts.		Moon's Age		Rain and Dew.	Appearances of the At- motphere.	REMARKS, AND STATE OF THE SICK LIST.
1772 Aug. 21	8 12 8	63 63 64	46° 40″	51° 35″ E	23	NW ***	80 N C 7	c. cl.	One of the feverifh complaints of the 18th, well ; in the lift.
22	8 12 8	61 60 59	4 ^{8°} 4 ^{8″}	54° 33″ E	24	fW tWSW ****		cl.	One with feverifh fymptoms added to the lift; 6 in it.
2.3	8 12 4 8	59 59 63 61	49° 35″	60° 09″ E	25	fNW tWSW	•••	cl.	The headach of the 17th, the contumon of the 18th, and the inflammation of the 19th, well 3, 1 headach added to the lift 3 4 in it.
24	8 12 4 8	61 62 65 63	49° 34″	From the Great Caieos 64° 51″ E	26	f WSW t WNW ***		ci.	The feverifh complaint of the 22d, and yefferday's. headach well ; 2 in the lift.
25	8 12 8	61 64 62	49° 57″ Lizzard	ot remitting	2.7.	f WSW t NW***	NN NO	cl.	No alteration in the lift. A. m. made the liz- zard.
26	8 12 8	61	Mt Spithead	ano) della ora la differente a la ni per parti	28	f WSW t NW **	No.	с.	The other feverific complaint of the Sth, well; the only complaint in the lift, is a theomatim, an old man, who likewife has a fuffution in one of his eyes; and is to be fent to the hofpital with the ulcers. Anchor'd at noon.
e while ad			ndan () di	na with fan in lo	2	d.	- 2 m	T ES	END OF THE FIRST VOYAGE.
ent ite in salis, ens		es da	erra ede ta Poliziata	, af erstenste a anti- anti- a anti- anti- a anti-ant- ar		-2	34	4	- 1 "22" = 1 . 24 "24 . 30 8 01
	10	a lais	riga adalar anggan aka	herendelen terenen terenen			34	1 13 DA	2 "as 43" "to "es 80 3 to
-			enord gra 'n ee o tha	e it difes and app of silve			11.20	2.4	14 "21" (4 "21" "21" ×0 (9 2 21"

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CHAPTER II.

THE DIARY OF THE WEATHER AND STATE OF THE SICK LIST, BE-TWEEN THE 30th OF NOVEMBER 1772, AND THE 24th OF AUGUST 1773.

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2	Hours.	i neunome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmosphere,	REMARKS, AND STATE OF THE SICK LIST.
1772 Nov.30 Die Lunæ			Cowes		6	Е S **	•••	h. cl.	Seven in the lift. 3 colds with feverifi fymptoms, I old intermittent, 1 frictured clavicle, I feald, and I contufion. M. Sailed from Spithead, and anchor'd at Cowes at 2 p. m.
Dec. 1		mi	N.M.	a m	7	SSW **		h. cl.	One cough, I wound, and I contuñon added to the lift; IO in it.
2		58 65 f			8	f SE t ESE **		cl.	Yefterday's cough does duty; 9 in the lift. All the complaints are the confequence of intemperance,
3	12	61 f 65 f 65 f	Off Ply- mouth	.11	9	fENE tSE **	0.	h.	One cold of the 30th, well ; and a quinfly added to the lift; 9 in it. His Majerty's Sloop Dif- patch, joined us company p. m.
4	12	61 f 62 f 67 f	48° 33″ R.	from the Ram head	10	SE ***		h.	One fever, 1 cough, and 1 ulcer, added to the lift, 12 in it.
1 200	8		47° 05″	05°04"W	11 ZA	f E t ESE **	83	h.	The contution of the 1ft, and the quinfey of the 3d, well; 3 colds with feverific complaints ad- ded to the lift; 13 in it.
6	1 2	60 f 65 f 67 f	47° 56″	06° 26" W	12	W NW **		cl.	The contufion of the soth, 1 of the colds, and 2 of yefferday's complaints, well; 9 in the lift. The fever of the 4th is a remittent.
7	8	55	44° 28″	°7° 57″ ₩	13	f NNW t NE **	-	cl.	The other cold of the 30th ult, well; 3 in the lift, -
8	8	61 f 61 f 65 f	41° 52"	09°51″W	14	fNNW t NE **		c. cl.	The cough of the 4th, well; 7 in the lift.
9	8		39° 26"	10°50" W	15	NE **		с.	No alteration in the lift.
10	8		37° 14"	11°08″W	16 p. p. m.	NNE **		c.	The wound of the 1st, and the ulcer of the 4the well; 5 in it.
11	8		35° 204	1 1° 20 ⁰ W	17	fNNE tNE *		cl.	One lame, and 1 with feverifh fymptoms added to the lift; 7 in it.
12	8 . 8	66	33° 3+"	11°40″W	18	fNNE t ENE **		cl.	No alteration in the lift.
		1	1	1	1			1	

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Yeur, Months, and Days.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmosphere.	REMARKS, AND STATE OF THE SICK LIST.
1772 Dec. 13	12	64 f 66 f 70 f	Madeira	in 17° 20″ W Porto Sancto	19	NE*		cl.	The complaints of the 11th, well; 5 in the lift. 5 p. m. anchored with the Difpatch in Fon- cheall Bay.
1.4	12	67 f 70 f 68 f		Madeira in 18° 11″ W	20	Sb & lb ≆		с.	The feals, the old intermittent, and the fractured clavicle of the 30th ult, well; 2 in the lift.
15		66 f 68 f 67	32° 32″		21	f ENE t EbS **	1	c.	A fwelled parotid added to the lift; j in it. Sail ed with the Difpatch at Ir a. m.
16	12	66 f 69 f 71 f	30° 25″		22	f ENÉ t EbS **		с.	No alteration in the lift,
17	12	67 f 69 f 72 f	23° 47″	From Maderia 00° 45″ E	23	f ENE t EbS *		с.	One cough, 1 fore throat, 1 fickness at flomach, and 1 with cruptions, added to the lift; 7 in it. Began ferving fpruce beer to the fhip's com- pany. Teneriffe.
18	12	71 f 72 f 69 f	Teneriffe	al nemician Tal Idap Manara Sa	24	f ENE t EbS *		c.	The fickness at flomach added yefferday, well ; r cold, fupprefied perspiration, added to the lift; 7 in it. 9 a. m. anchoi'd in St. Cruze Road.
19	812	69	Diffic to the second se		25	Sb & lb **		·c.	The cough of the 17th, well; 6 in the lift.
20	8 12 8	71			26	Sb & 1b		c.	No alteration in the lift. His Majefly's transport Endeavour came in, fhe had 2 lieutenants, &c. on board.
21	18 12 8	71		ni contre tarte e co	27	Sb & lb *		с.	The remittent of the 4th, and I of the feverific complaints of the 5th, w:11; 4 in the lift.
22	8 12 8	69 70 69	An Ambridge		28	Sb & lb *		с.	The complaint with cruptions of the 17th, and the cold of the 18th, well; 2 in the lift. On the tops of the mountains there is froft in the night.
23	8 128	2.000 20.00	al a faile	a letter	29	Sb & lb *		с.	No alteration in the lift.
24	8128	1		teri	m. a. m.	Sb & lb *		с.	Two in the lift.
25	8	68	28° 05″		2	NE *		с.	Sailed with the Dispatch, and Endeavour, at s a. m.
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Year, Montits, and Days.	Hours.	Thermome- ter.	Latitude or different Parts.	Longitude made.	Moon's age.		Rain or Dew.	Appearances of the At- mofphere,	REMARKS, AND STATE OF THE SICK LIST.
1772 Dec. 26	8 12 8	70 70 69	26° 05″	from the Pick	3	f E t ESE **		c. cl.	No alteration in the lift. The Endeavour parted company in the night.
27	8 12 8	67 67 67	23° 05″	00° 16″ W	4	E *	*	с.	One added to the lift, with a ficknefs at flomach; 3 in it.
28	8 12 8	65 65 71 f.	20° 46″ Cape Blancho	00° 15" W	5	fE t NNE *	*	c. cl.	No alteration in the lift. Off the coaft of Ba ^{r-} bary.
29	8 12 8	68 68 69	19° 05″	00°07″ W	6	fENE t ESE *	*	c. cl.	The complaint of the 27th, well; 2 in the lift.
30	8 12 8	68 69 68	18° 05″	0 0° 43″ F	7	NE*	*	c. cl.	The parotid of the 15th, well; I Guinea worm, who lately came from a Guinea thip, added to the lift; 2 in it.
31	8 12 8	68 68 69	16° 34″	00° 38″ E	8	NE *	*	a. m. h.	No alteration in the lift. At 5 p. m. anchor'd off Senegal Fort with the Difpatch. A very great furf on the Beach.
1773 Jan. 1 Die Veneris	8 12 8	69 69 71	Senegal	-	9	NE **	*	h.	Two lame complaints added to the lift; 4 in it. The garrifon has been very fickly, and loft a number of men. A Canoe came off.
2	8	70 71 72			10	NE *	*	с.	One fore throat, 1 Guinea worm, and yefterday's complaints in the lift. The Difpatch dropped down and anchored off the bar.
3	8	71 71 71			11	NE *	*	h. p. m.	One abfcefs, and 1 lame complaint, added to the lift; 6 in it. No boat can land yet.
. 4	8 12 8	72 72 72			12	NE *	*	h.	The two lame complaints of the rft, and yefter- day's, well ; 2 in the lift. P. m. joined the Dif- patch, and failed together.
5	8 12 8	73 72 73	15° 29"	from Sene- gal Fort. c 0° 43" W	13	NbE*	*	cl.	One fore throat added to the lift ; 3 in it.
6	8 12 8	73 73 73	15° 26"	02° 37″ W	14	NbE *	*	cl.	No alteration in the lift.
7	00 12 80	73 73 73	15° 26"	04°26″W	15	NbE **		cl.	The fore throat of the 5th, well ; 2 in the lift.

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Yor, Months, and Days.	Hours.	Thermome- ter.	Latitude or different Parts,	Longitude made.	Moon's age.	Wjnds.	Rain or Dew,	Appearances of the At- mofphere,	REMARKS, AND STATE OF THE SICK LIST.
¹⁷⁷³ Jan. 8	8	115	15° 05"		р. р. т.	NNE **		с.	No alteration in the lift. A gouty complaint but not in it. At I p. m. anchor'd at Maijo one of the Cape de Verde ifland's, it is very barren and hilly. The inhabitants are all black, and employed in making falt; and the little flock which they have chiefly, comes from St. Jago the most fertile of thefe iflands.
9	8	74 73 74	Мајо		17	NNE **		c.	Two in the lift.
10	812	73 73 74			18	NNE *	-	cl.	Two with feverifh complaints added to the lift; 4 in it. Got a few lean bullocks for the fhip's company. They have bought fome goats, and Hogs, &c.
11	8 1 2 8	72- 72 73	St. Jago	Environ de La composita de la c	19	NNE		cl.	One of yefterday's complaints, well; 3 in the lift. Sailed at 4 a. m. and anchor'd at 8 a. m. with the Difpaich in Praija Bay, St. Jago.
12	8 12 8	72 73 73	and		20	NNE **		c. cl.	No alteration in the lift. Sailed with the Difpatch at 5 p. m. we got very little flock.
13	8 12 8	72 73 73	13° 48″	from Prai- ja Bay 01°45″ E	21	NE **	*	cl.	No alteration in the lift.
14	8 12 8	73 74 74	12° 15"	03° 43″ E	22	NE **	*	cl.	Three in the lift. A number of bilious com- plaints on board the Dispatch.
15	8 12 8	75 74 74	11° co#	05° 45″ E	23	NE *	*	cl.	One of the feverifh complaints of the 10th, well; I firain added to the lift; 3 in it. After con- fulting the Captain, J made a quarter cafk of wine into a tincture of bark. Vid Poffcript.
16	8 12 8	74 76 78	10° 10 [#]	¢6° 47″ E	24		*	h.	Yefterday's complaint does duty ; 2 in the lift.
17	8 12 8	77 77 78	°9° 33″	07° 13″ E	25	-	*	h.	No alteration in the lift, Very fultry.
18	8 12 4 8	78 79 81 1055 80	09° 07"	07° 27″ E	26	•	*	с.	The Guinea worm of the 24th ult. well; 1 in the lift. Very hot. In ten minutes the thermome- ter role in the Sua's rays, 24 degrees.
19	8 12 4 2	80 81 82 81	09° 12″	08° 10" F	27	N *	1.1.1	h.	No alteration in the lift. Very hazy, notwith- flanding the fun fhines

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Yerr.	Months, and D295.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere.	REMARKS, AND STATE OF THE SICK LIST.
	20	8 12 4 8	81 81 83 82	08° 43″	09° 19″ E	28	N. NE*	*	h.	One ficknefs at flomach added to the lift; 2 in it. p. m. anchored off Sierra Leon River, with the Difpatch. Very hot.
	21	8 12 8	82 81 81	Sierra Leon.		29	lb.	*	h.	Yefierday's complaint well; I fever added to the lift. At 3 p.m. anchor'd in Sicrra Leon River, Some merchant fhips, whofe men have been very fickly, lying here.
	22	8 12 4 8	79 80 82 81	nalgener di nendi war n ne sent er		т. p. т	Sb & Ib	*	h.	No alteration in the lift. Gave five ounces of the tincture of bark, to every man before they were fent aftore in the morning on duty; and they were firiely forbid having any communication with the merchantmen's people. The fame method was observed on board of the Difpatch, from having it recommended there.
	23	8 12 8	80 81 81	and sports	11,284	1	Sb & 1b	*	h.	One inflammation added to the lift; 3 in it. Gave the tincture of bark to the fhorers. They all fleep on board.
	24	8 12 8	79 80 81			2	Sb & lb	*	h.	The Guinea worm complaint difcharged, the 18th relapfed; 1 opthalmia, and 2 with feverifh fymptoms added to the lift; 7 in it. No fhore duty, being Sunday.
	25	812	80 80 81		-4	3	Sb & lb	*	h.	No alteration in the lift. Gave the tinfture of bark to the fhorers; an old man came on board that we left here laft year on board of a ship.
	26	8	80 81 81		and expenses	4	Sb & 1b	*	h.	One of the feverifh complaints of the 24th, well; 6 in the lift, gave the fhorers the tracture of bark.
	27	8 12 8	80 81 81	and south of	elosin karn 1 ostrostari 1 ostrostari 1 ostrostari	5	Sb & lb	*	h.	One drunken complaint added to the lift; 7 in it; The men get New England rum from the blacks. Adminifiered the tineture as usual.
	28	8 12 4 8		and the second		6	Sb & Ib	*	h.	The other feverifh complaint of the 24th, well; I bilious, and I lame complaints added to the lift; S in it. Gave the tinefture to the fhorers- the wooding, and watering parties, and boat's crews.
	29	8 12 4 8	79 80 82 81			7	Sb & 1b	*	h.	The opthalmia of the 24th, and yefferday's bilious complaints well; 1 contution added to the lift; Repeated the tincture of bark.
	30	8	81			8	Sb & 1b	*	h.	One inflammation added to the lift; 8 in it. Shore duty over. Four ounces of the tincture was the dole given on board of the Difpatch.
	31	8	18			9	f NNW t NW	*	h.	The drunken complaint of the 27th, the lame of the 28th, and the contumon of the 29th, well; 2 with fickness at flomach; and an abstefs ad- ded to the lift.

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Yeak, Months, and Days.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere.	REMARKS, AND STATE OF THE SICK LIST.
1773 Feb. Die Lunæ	I I 2	8 81 2 81 4 82 8 81	08° 15″		10	f NNW t NW *		h.	Yefterday's ficknefs's at flomach, well; 1 added to the lift with gripes—Thofe complaints pro- ceed from eating unripe plantings, bananas, and fift; and 1 contufion, S in the lift; 2 inflam- mations, 1 with gripes, 1 remittent, 1 fore throat; and 3 lame complaints.
2	9 12 4 8	81	07° 40″	from Cape Sierra Leon 90° 35″ W		V *	*	h.	No alteration in the lift. The Difpatch's men are ftill afflicted with bilious complaints.
3	8	78	07° 13″	00° 1 5″ W	12	V *	• *	h. cl.	The Guinea worm of the 24th ult. and contusion of the 1st well ; 6 in the lift.
4	8	79	06° 51″	00° 08″ E	13	p. m. 💥		h. cl.	The fever; the inflammation of the 30th ult. and the griped complaint of the 1ft, well; 3 in the lift.
5	8 12 8	100000000000000000000000000000000000000	06° 40*	01° 12″ E	14	N *	. *	h. cl.	The abfcefs of the 31ft ult, well ; 2 in the lift. No perfon on board finds himfelf refreshed from fleep.
6	8 12 8	80 80 79	05° 46″	00° 48″ E	15	V *	• *	h. cl.	No alteration in the lift. Very dull weather, which deprefies every one's fpirits, 10 men in the Difpatch's fick lift.
7	8 12 8	79 79 79 79	04° 26″	01° 18″ E	р. а. т.	v *	*	h. cl.	Two in the lift fill. The fame kind of weather yet; and no perfon is refreshed from his sleep.
8	8 12 8	79 79 79 79	04° 56″	с1° 57″ Е	17	v *	*	h.	One with eruptions added to the lift; 3 in it. Every thing amazingly damp and mouldy on board. Wood opens at the joints, and fhrinks greatly, and iron rufts.
9	8 12 8	78 80 81	04° 30″ ·	02° 37″ E	18	v	*	h.	One who was afhore fifting at Sierra Leon, added to the lift with feverifh fymptoms; 4 in it. The fiftermen were not allowed the tincture.
10	8 12 8	79 80 79	61 C. C. P. P. P.	from Cape Palmas 00° 33″ E	19	V *	*	h.	One inflammation added to the lift; 5 in it.
11	8 12 8	76 75 76	04° 32″	01° 40″ E	20	V **	*	h. cl.	No alteration in the lift. Very cold and difagree- able weather.
12	8 12 48	76 76 80 79	°5° 03″	03° 09″ E	21	N *	*	h. cl.	The complaint of the 9th, well ; 4 in the lift. Our fails quite black with mildew. The dews are very heavy.

Months, and Days, Appearances of the At-motphere. Moon's Age 5 Longitude Rain and Dew. different Hours. Thermon: Winds. REMARKS, AND STATE OF THE titude parts. made. Ler. SICK LIST. 05 10" From Cape 22 8 N . h. cl. No alteration in the lift. Loft fight of the Dif-1773 78 1 patch, Le Hou reb. 13 12 79 82 00° 58" E 4 8 80 80 04° 05" N ** The inflammation of the 10th, well; 3 in the lift. The Difpatch in fight. Anchor'd m. at 8 * 14 23 cl. 12 80 Appalonia Appalonia, failed at 4 p. m. and anchor'd at 8 p. m. in the offing. 82 4 8 80 The complaint of the Sth, well; I rheumatifm added to the lift; 3 in it. Sailed at S a. m. and anchor'd at I p. m. at Axim, a Dutch fattlement, with an intention to water the fhip; but they have none, it is fo long fince they had rain. The Difparch out of fight. V * 81 8 ŵ 15 Axim 24 cl. c. 80 12 8 80 Sb & 1b 16 8 81 cl. c. No alteration in the lift. The Difpatch joined, 25 81 12 and left us again ; 10 in their liff. 8 81 05° co" 78 Three in the lift yet. At 4 p. m. anchor'd at 8 26 Sb & 1b 4 cl. c. 17 12 80 Cape Cape Coaft, 8 80 Coaft No alteration in the lift. The Difpatch joined us, 8 80 18 × cl. 27 . . . none of their people dangeroufly ill. 28 82 82 The inflammation of the 23d ult. well; a in the 8 79 Ж 19 28 cl. . . . lift. The men can get no frefh flock, fruit nor 80 12 * vegetables to buy. 8 80 8 78 Sb & 1b One with feverifh fymptoms added to the lift ; 3 in . 🚸 20 29 cl. it. The waterers here and boat's crew, take the tincture. It is Pond water we get. 12 81 8 80 8 78 No alteration in the lift. Gave the waterers the Sb & 1b 21 m. ÷ cl. tinclure. "The water has no had taffe though 81 2 m. thick; it is well firained and intended for the 80 8 live flock, and boiling only. There was quick lime thrown into the Pond before we took any out of it. The men get fpirits from the blacks. The rhoumatism of the 15th, and the feverish of 8 80 Sb & 1b cl. c. 22 2 the acti, well; t in the fick lift. Gave the waterers the tindture. The feverific complaint returned to duty to-day, was a wooder at Sierra 81 12 82 4 81 8 Leon.

Sb & 1b

3

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cl. c.

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A drunken cook added to the lift, with feverifh fymptoms; 2 init. 6 in the Difpatch's lift. All the people on the coaft healthy.

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Y ear, Months, and Days.	Hours.	Thermome- ter.	Latitude or different Patts,	Longitude made.	Moon's age.	Constraint of the other	Rain cr Dew.	Appearances of the At- mofphere,	REMARKS, AND STATE OF THE SICK LIST.
1773 Feb. 24	8	80 82 79	a ne ok se	interne an	4	p. m. 💥	••••	cl.	One with feverifi fymptoms, and 1 headach ad- ded to the lift; 4 in it. Sailed in the evening, and left the Difpatch to run down to Accra, Always cold in the time of the Tornado's.
25	8128	79 80 81	°4° 55″		5	Sb & Ib		b.	No alteration in the lift. We got a very fmall fupply at Cape Coaft, either of flock, fruit, or vegetables, and none any where elfe on the coaft.
26	8 12 4 8	81 81 83 82	04° 40″	e saudh meu	6	Sb & Ib		h.	One headach, and I rheumatifm added to the lift; 6 in it. Thefe complaints are the confequence of the new rum which they got from the Ne- groes. or free black people.
27	8 12 4 8	82 82 83 83	°4° 57″		7	wsw •		h.	No alteration in the lift,
28		82 82 83 82	04° 24"	from Cape Appalonia 00° 09″ E	8	WSW *	0.1	h.	The headach of the 24th well; the headach of the 26th, has a fore throat, which feems to be ve- nereal; 5 in the lift.
Martii 1 Die Lunæ	8 12 8	82 83 82	03° 28″	00° 56″ E	9	WSW *		h. 778	The feverifh of the 23d, and the feverifh com- plaints of the 24th well, I suppressed perfpira- tion, or cold, added to the lift; 4 in it. One old fore throat, I headach, I rheumatifm, and this day's complaint.
2	8 12 48	81 82 84 82	02° 41″	01° 22″ E	10	fS tSWbS **		h. cl.	One added to the lift, with a fickness at ftomach; 5 in it.
3	8 12 8	82 82 82	02° 24″	co° 58″ E	11	v •		h. cl.	The rheumatifm of the 26th ult, and the cold of the 1ft well; 3 in the lift.
**** 4 ****	8 12 48	82 82 83 82	02 ⁰ 11 [#]	01° 03″ E	12	V • · · ·		h. cl,	No alteration in the lift.
5	8 12 4 8	83 83 84 83	02° 09″	00° 22″ E	13	f SbW t SWbW *	(3)	h. cl.	The old man that came on board at Sierra Leon, complained of a ficknefs at flomach, and a fc- verifh complaint added to the lift; 5 in it.
6	8 12 8	83 83 83	02° 18″	00° 40″ E	14	SbW *		h.	A great many fift playing about the fhip. No al- teration in the lift.

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Y car, Months, and Days.	Hours.	Thermome-	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1773 Martii 7	8	83	02° 40″	02°13″W	15	f SbW t SWbS *	×	h.	The complaints of the 5th, well; 3 in the lift. The complaint of the 2d has a cough.
8	8 12 4 8	83 84	02° 50″	03°10″W	р. р. т.	SBW SSW *		h.	No alteration in the lift. The fpruce beer is all expended, and wine began to be ferved to the flip's company.
9	8 12 4 8	83	02° 54"	04°27″ W	17	SbW SSW *	*	h.	One fore throat added to the lift; 4 in it.
10	8 1 2 8	83 83 83	02° 54″ R.	04°53″W	18	fW tSSW*		cl, t.	No alteration in the lift. Sultry difagreeable wea- ther.
11	8 12 8	82 83 82	02° 23"	04°56″₩	19	V *	*	cl.	One lame complaint added to the lift; 5 in it.
I 2	8 12 8	82 83 82	02° 29"	05° 15" W from Cape Appalonia	20	SW p. m	*	cl.c.	An incifion added to the lift; 6 in it.
13	8 12 8	83 83 83	03° 12"	06° 55″ W	21	SW ** .	*	cl. c.	The fore throat of the 9th, well ; 5 in the lift,
14	8 12 8	83 84 83	04° 07″	08°44″ W	22	v •		cl. t. l.	No alteration in the lift.
15	8	83 83 83	04° 13″	08° 58″ W	23	v *		cl. t. l.	Five in the lift. Exceeding bad weather, and very little wind.
16	8 12 4 8	83 82 79 81	04° 09″	c9°02″W	24	v ***		cl. tl.	One rheumatick complaint added to the lift ; 6 in it. The old fore throat is a feorbutick rhea- matitm. No wind, but in fqualls.
17	8 12 8	82 83 82	04° 31″	10°02″W	25	V ***		cl. h.	The complaint of the 2d, well; 5 in the lift. Almost calm except during the squalls.
18	8128	82 79 80	04° 54″	10°28″ W	26	V ***		cl. b. l.	The old fore throat returned to duty, 4 in the lift, The men are often exposed to the rains.
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Year, Months, and Days.	Hours.	Thermome-	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmosphere,	REMARKS, AND STATE OF THE SICK LIST.
1773 Martii 19	8	81 79 79	05° 10″	10°50# W	27	v *		cl. t. l.	No alteration in the lift, nor weather.
20	· 8 12 8	80 80 79	04° 58″	11°01″W	28	V *		cl. t. l.	Four in the lift. No perfon on board thinks him- felf at all refreshed from his fleep.
21	8 1 2 8	80 81 80	04° 44″	11°12″W	29	v *	N	cl.	One nephritick complaint, and 1 with eruptions, added to the lift; 6 in it.
22	8 12 8	81 82 81	04° 23″	11°18″W	30	v *	100	cl. t. l.	No alteration in the lift,
23	8 12 8	82 83 80	04° 53″	1 1° 3 2″ W	m. a. m.	V ***	* 3V	cl. t. l.	The rheumatick complaint of the 16th, well; wind, only in the fqualls.
24	8 12 8	82 82 82	05° 25"	12°13" W	2	v ***		cl. t. l.	The incifion of the izth, well ; 4 in the lift.
25	8 12 8	80 80 81	°5° 33″	12°53"W	3	ENE *		cl. h.	No alteration in the lift.
26	812	83 82 82	°5° 33″	1 3° 05″ W	4	v *		cl. h.	The nephritick complaint of the 21st, well; 3 in the lift.
27	8 12 8	82 82 80	°5° 39″ R.	13°15″W	5	v *		cl. h.	No alteration in the lift,
- 28	8 12 8	80 78 80	°5° 49″	13°33″W	6	v *		cl. h.	Three in the lift. Very difagreeable weather.
29	8 12 8	82 82 82	°5° 46″	13°39″ W	7	NbW *		с.	An afthmatick complaint added to the lift; 4 in it.
30	8	82 81 78	05° 29"	14°29"W	8	SE p. m. ***		cl. t. l.	One with feverifh fymptoms, and I ficknefs at ftomach, added to the lift; 6 in it. Very cold during the fquall.
31	8128	81 81 81	°5° 44″	14°50″W	9	V *	1	cl.	The headach of the 26th ult. well; 5 in the lift. I remittent, I naufea. I lame, I with crup- tions, and I afthmatick complaint.

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y ear, Months,and Days.	Hours.	Thermome- ter	Latitude or different parts.	and the second se	Moon's Age		_	Appearance of the At- motphere.	REMARKS, AND STATE OF THE SICK LIST.
1773 Die Jovis April. 1	8	80 81 80	05° 23″	15°22"W,	10	t NW	- 31	cl.	No alteration in the lift. The feverifh complaint of the 30th, is the remittent fever.
2	812	80 80 80	04° 54″	16°06" W	11	NW *		cl.	The complaint with eruptions of the 21st ult. well; 4 in the lift.
3	8 12 8	80 79 80	04° 50″	16° 42″ W	12	V 2. m. p. m. N		cl.	No alteration in the lift.
4	8 12 8	80 80 80	°4° 30″	18° 20″ W	13	NbE W*	•	cl.	The fickneis at flomach of the 30th ult. well; s dry belly-ach added to the lift; 4 in it.
5	8	81 81 81	03° 23″	from Cape Appalonia 19° 33″ W	14	fN tNNE*		с.	No alteration in the lift.
6	8 2 8	81 80 79	03° 29″	20° 24" W	15	NNE *	•	c. cl.	The dry belly ach of the 4th, well ; 3 in the lift.
7	8 12 8	80 80 79	v3° 28"	21°14"W	р. а. т.	NNE **		c.'	The lame complaint of the 1sth ult. well; 1 ulcer added to the lift; 3 in it. Pleafant weather!
8	8	80 80 79	°3° 57″	23°05″ W	17	NNE **		cl.	No alteration in the lift.
9	8 12 8		04° 23"	25° 06" W	18	NNE **		cl.c.	One with feverish symptoms added to the lift; 4 in it.
10	8	80	04° 44″	26°48″ W	19	NNE **		cl. c.	No alteration in the lift.
11	8	80	05° 09"	28° 23" W	20	NNE NEbN		cl. c.	Four in the lift. The feverifh complaint added to the lift the 9th is a remitting fever.
12		80	05° 42"	30° 34" W	21	NEbE *		cl.	No alteration in the lift.
13	11	80	06° 41"	32° 39" W	22	NE **		cl.	One feverish complaint added to the list; 5 in it.

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Y cars, Months, and Days.	Hours.	Thermome- ter.	Latitude or different Parts.	Longitude made.	Moon's age.	Winds.	Rain ur Dew.	Appearances of the At- mofphere,	REMARKS, AND STATE OF THE SICK LIST.
1773 Aprilis 14	8 12 8	79	· •7° 45"	35°19" W	23	NE **		cl.	The remittent fever of the 30th ult. well; 4 in the lift.
15	8	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	08° 51″	37°03" W	24	NE **	•	cl.	One with feverifh fymptoms added to the lift; 5 in it. Very cold.
16	8 12 8	7.8 78 77	oy° 51"	39°21"W	25	NE6E **		cl.	The old fcorbutick rheumatifm added to the lift; 6 in it.
17	8 13	77 77 76	10° 56"	41°48" W	26	ENE **	dl 58	cl.	The complaint of the 13th well; and an opthal- mia added to the lift; 6 in it.
18	8 12 8	77 77 76	12°11"	44°08″ W	27	ENE **		cl.	The remitting fever of the 9th well; and 1 lum- bago added to the lift; 6 in it. The feverifh complaint of the 15th, is a bad remitting fever,
19	8 12 8	78 77 77	15° 20"	46° 1 5″ W	28	ENE **		cl.	One headach, and a with the rheumatifm added to the lift; 9 in it.
20	8	76 76 76	14° 507	48° 26" W	29	v •		cl.11	No alteration in the lift.
24	8	75 76 76	«5° 35"	50° 10# W	m. p. m	¥*	•	cl.	Nine in the lift. Very cold.
22	8 12 8	77 76 76	16° 04"	52° 11" W	1	ENE**	19 21	cl.	The headach of the rath, well; and I feverlik complaint added to the lift; 9 in it,
23	8 1 z 8	78 77 76	16° 18"	54°24" W	2	ENE E**	ak Kda	cl. c.	No alteration in the lift.
24	8	79 77 77	16" 22"	56° # 3" W	3	EbN **	- 14 - 14 - 14	c.	Nine in the lift, Some ulcers who are not in the lift. The fun is right a ftern a. m. which makes the Thermometer higheft then, though his rays do not fhine upon it.
25	8	80 77 78	16° 26"	58°06*W	4.	V **	an NE	c.);	One of the encumatifms of the 19th, and the fe- verifh complaint of the 22d well; y in the lift.
26	8 12 8	79 78 78	16" 24"	e set to set	5	v •	N.N.C.	c.	No alteration in the lift. The ulcers are become fcorbutick-The faip's reckoning is out.

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	Year, Months, and Days.	Hours.	Thermome- ter	Latitude or different parts.	Longitude made,	Moon's Age	Winds.	Rain and Dew.	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
	1773 Aprilis 27	8	78 78 79	16° 32″	the life.	6			с.	No alteration in the life. Scorburick fymptoma- appear amongif the fick.
	28	8 12 8	79 79 79	m. Antigua	-	7	v •		c.	Seven in the lift. Anchor'd at noon in English harbour. Admiral Perry commands; 4 of His Majefty's thips in it.
	29	8128	79 81 80			8		- 34	C.	Two headachs with a naufea, 1 fubject toit, and 1 foorbutick ulcer added to the lift; 10 in it. They. received great damage both on board and affore, by a late hurricane. No vegetables.
	30	8 12 8	79 80 78	de la circi de la circi de la circi	e minere es estra esta estra esta	9	Sb & lb	e.a. (1)	с.	The ideer of the 7th, the opthalmia of the 17th, and 1 of yefferday's headachs, the old one well; 7 in the hift. 1 aftham, 1 feorbutick rheuma- tifm, 2 theamatifms, 1 remitting fever, 1 head- ach, and 1 ulcer. We lye in a part of the har- bour called Freeman's bay.
	Maii 1 Die Saturni	8 12 8	78 78 79	not a tos a trang	intered and to the 1714	10	Sb & lb	- 31	C. 85	The lumbage or rheumstill of the r8th ult, well ; 6 in the lift, P. m. sailed. The men drunk with new rum.
	2	8 12 8	08 18 80	St. Chrif- tophers	neihmilt i	II	NE **		c. c].	No alteration in the fick lift. They foffered prest- ly here too by the burricane. No fresh provi- tions nor vegetables here either.
and the second second	3	8 12 8	80 81 81	B. Very of) nit ni nei)	12	NE **	•• \	cl.	One feverifi complaint added to the lift; 7 in it. This ifland produces plenty of vegetables com- monly.
	4	8 12 8		17° 17″	The bostach compliants	131	NE **	e a By	cl.	No alteration in the lift. Suiled at 8 . m.
	5	8 12 8	181 80 79	17° 18″ :	from St. Christophers 02° 34"W	14	NE EbN*	31/3	cl.	The other herdrich of the agth, well; and the old man who came on beard at Sierra Leon, ad- ded to the hill; 7 in it.
a nel vine	6	8128	30 80 80	17° 23″	04°23″W	р. р. т.	NE Ebn *	* H.	c. cl.	The remitting fever of the r5th, the other rhea- matifm of the r9th ult. the feverifh complain of the 3d, and yetherday's complaint well. 2- naufeas from drunkennefs, and 1 with erupti- ons added to the lift; 6 in A.
	7	8 12 8	81 80 80	17° 18#	05° 59″ ₩	16	NE EbN •		¢.*	No alteration in the lift,
	8	8. 1 2 8	81 81 81	17° 28"	06° 53″ W	17	NE Ebn *		c. cl.	One of the naufous of the 6th, well; 5 in the life,

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	Contraction of the local division of the loc	-	-							
	Year, Months, and Days.	Hours.	Thermome- ter,	Latitude or different parts.	Longitude.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmosphere	REMARKS, AND STATE OF THE SICK LIST.
	1773 Maii 9	8	81 81 81	17° 28" Beata	A CALANT	18	NE EbN *	41 52	- c. cl.	The remittent returned 18th, ult. and 1 feury ad- ded to the lift; 7 in it.
AL AL	10	8 12 8	81 81 81	17° 45"	from An- tavelle or°36"W	19	NE Ebn *	a le	cl.	One frurvy, and I contusion added to the lift; 9: in it. These little islands are close to Hispani- ola. I mean Beata, and Antavelle.
State of the state	11 1000 - 00 1000 - 000	8 12 8	81 81 81	17" 00"	from Na- vaffa 00° 28″ W	20	NE Ebn *	Sz tb	cl. c,	An old remittent fever added to the lift, with fcor- butick fymptoms; 10 in it. The affhma is highly fcorbutick.
Contraction of the	12	8 12 8	82 84 83	Jamaica	i ma	21	Sb ***	61 2	c.	Sent the affhma, and the foury of the 9th, to- the holpital; 8 in the lift. Anchored at Porte Royal a. m. Sir George Rodney commands here: ftill; but few of His Majefty's fhips in the har- bour.
State and a state of the	13	8 12 8	82 83 83		in the sold Sol man the log Lingui and	22	Sb & lb	15.33	cl. c.	Sent one feury to the hospital, who was not in- the lift, I diarrhea, and 3 feuryies added to the lift; I2 in it. Freshibeet being allowed to the fhip but once a week, I folicited the Captain to apply to the Admiral for fresh meat for our
and the second	and a second		1000 100 (20) 2000 32	to be a set of the	and the second s					men every meat day, as many of them were fcorbutick, but the Admiral would not grant it.
	14	8	81 83		e el guttis	23	Sb & lb		c. cl.	Sent 10 feorbuticks to the hospital for the benefit of fresh diet, 1 of them was not in the lift, 2
「「「「	al or -	4	84 82	belär reis o 1 reis 1 - Sola 11 dir Hindard 12 di dir Hindard 12 dir Hindard 12 dir Hindard 12 d	nie dant og retatio d oda badra (16 szant)					contufions, 1 is the old opthalinia, he hurt his eye again, added to the lift; ς in it. The wa- ter we get on board is bracklift, though there is as good water to be got as can be wifhed for.
「「「「「	¥5	8 12 4 8		tion f was to the house to a los historius, al	and de cland serie a base des mange e clandes an el ches an el ches	24	Sb & Ib		c. cl.	The old foorbutick rheumstifm returned to duty, and the diarrhea of the 13th well; 3 in the lift.
and the second s	16	8	82 84. 82	r os brook - i Lart cuis et s Lindla et g - Lindla et g -	an dy ard an dynas Sarthyri Carthyri	25	Sb & 1b	10	c. cl.	One druken complaint added to the list ; 4 in it; Our men continually drunk with new rum.
THE REPORT	17	8 12 8	82 84 82	te ef the set e dort bles tet fa the line	the Alight An sunt diam of my tout of	26	Sb & 1b		o. ch.	The contumon of the 10th, well ; 2 accidents from drunkenness, rolluxed complaint, and 1 fick- ness at flomach added to the fift; 7 in it.
The second secon	18	8	81 81 81	eres dire s res dire di	i statum but sines of of s all	27	Sb & lb	1.1	с.	The ulcer of the 29'h ult, and yesterday's diarrhoa well, 1 flux added to the list; Ganat.
and a second second	19	8 12 8	80 81 81		Polar cent Colora Mirace C	28	Sb & 1b	A R	C.	The fickness at flomach of the 17th, well, 5 ina the lift.—Though the drunken complaint of the 16th is not in it, yefferday's flux is a bade dyfentery—a marine.
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Mcnths, and Days.	-2	-inter	10 1	1 4	1 v		1	12 .	
Mc		Thermome ter.	Latitude or different parts.	Longitede made.	Moon's age	Winds.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1773 Maii 20	8	82			29	Sb & lb		с.	Two fluxed, and z feverifh complaints added to the lift; 9 in it.
21	812	8z 82 83			т. р. т.	Sb & 1b	4	с.	One of the accidents of the s7th, well; and z flux added to the lift; 9 in it. z of yesterday's fluxes is a dyfentery.
22	8128	8: 84 82			1	Sb & Ib		c.	The dyfontery of the 18th, and 2 of the fevers of of the 20th, fent to the hofpital. The contuf- ed eye of the 14th, the diarrhea of the 20th, and 1 of the feverish complaints of the 20th, well; 4 in the lift.
23	8 12 8	81 82 82	autri	and his	2	Sb & 16		c.	No alteration in the lift.
24	812	81 81 81			3	Sb & 1b		c.	The flux of the 21ft, is well; 3 fluxes, and 1 fick- nefs at flomach, added to the lift; 8 in it. Be- fides fome flight complaints,
25	812	81 81 81			4	Sb & Ib		· c.	The other accident of the 17th, the dyfentery of the 20th, and 1 of yefferday's fluxed complaints well; 2 fevers, 1 of them was returned well of a diarrhea the 15th, and 2 fluxes added to the lift; 9 in it.
26	8 12 8	81 78 78			5	v *		cl.	One lame complaint added to the lift; so in it. A dyfentery died at the hofpital, and it has at. tacked the foorbutick men we fent there. The fluxes on board are dyfenteries.
27	8 12 8	80 80 80			6	v *		cl.	Sent 7 dyfenteries, I was a flight complaint 24th, and I fever, to the hofpital ; Yefferday's com- plaint well, and I of the fevers of the 25th flight, 3 dyfenteries, and I fever added to the lift; 5 in it.
28	812	80 80 80			7	v *	•••	cl.	Five dyfenteries added to the lift; fent 7 and yef- terday's fever to the hospital. And 2 contusion complained; 3 in the lift.
29	8 12 3	80 80 80	the second second		8	v •	•	cl.	The flight fever of the 25th well; and yefterday's contufion, I dyfentery, and I with feverifh fymptoms added to the lift; 3 in it.
30	8 12 8	80 81 83			9	v •		с.	Yefterday's feverifh complaint well, 3 with fe- verifh fymptoms, and 1 dyfentery added to the lift; 6 in it.
31	8 12 8	81 81 83		Anna an Anna an Anna an Anna an Anna an Anna an An	10	Sb & lb		с.	Three with feverifh fymptoms, and z dyfentery added to the lift; zo in it. Eight returned from the hospital very weak.

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Year, Months, and Days.	Hours.	Thermome-	Latitude or different Parts.	Longrude made.	Moon's age		Rain cr • Dew.	Appearance of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
1773 Junii 1 Die Martis	8	81 82 83	Jamaica	abiritia shiday to soglalar, 5 ille pain of	11	Sb & 15		C.	One of the feverific complaints of the 30th ult. well; I diarrhœa, and I rheumatifm, who came from the hofpital laft night, added to the lift; II in it. 5 Dyfenteries, 5 flight fevers, and I rheumatifm.
2	8 12 8	81 82 83	and survey marketing and survey	ariat di <u>1</u>	12	Sb & lb		c.	One of the feverish complaints of the 3rft ult. and yefterday's diarrhea, well; and fent three fevers and 1 dyfentery to the hospital, 1 dyfentery ad- ded to the lift; 6 in it.
entite fo	20	nai q	A gap & and a	de de volt	11 1	T 1.1.1	38.22	190	There we have been a set of the set of the
3	8	81 82 82	Mig. Ricco	a charabh eil bastige	13	Sb & 1b		с.	One of the feverific complaints of the 30th, well; I fore throat, and I lame complaint added to the lift; I in it,
Lint	-								
4	8	81 82 82		SERVER B	р. р. п .	Sb & Ib	di	c.	The dyfenteries of the 29th and 30th ult. and of the 1ft, well; 2 dyfenteries, 1 old cough, and 1 flight complaint added to the lift; 8 in it.
0.62 .00 80	-	1092 51	the the	the second second				- The set	
5	8	81 85 82			15	Sb & lb		C.	The dyfentery of the 31ft, well; 2 dyfenteries, and 1 with feverifh fymptoms added to the lift; to in it. The afthmia died of the dyfentery at the hofpital.
and and	_			a ringer					the notpitan
6	8 12 8	82 85 83	antine sta	an anana Senakara	16	Sb & Ib	di i	c. cl.	The flight complaint of the 4th, and yesterday's feverish complaint, well; I of the dysenteries of the 4th, sent to the hospital, I flux, and I with feverish symptoms added to the list; g in it.
.7	8	82. 85	tool De of		17	Sb & lb		cl.	The old cough well; 8 in the lift.
-	8	83	Anna Cand					14 19	and the second s
8	8	82 85	A part of the	Conf and inte Conf and inte Conference	18	Sb & lb		cl. c.	The complaints of the 3d, the dyfenteties of the 5th, and the feverifh complaint of the 6th,
anharan	8	84	is estimated	and Prese		dillo li	181.	548	well; 3 with feverifh fymptoms added to the lift; 6 in it. Two feurvies, and z dyfenterice returned well from the hofpital.
9	8 12 8	82		e in thirte Collection 2 have a low addred the	19	Sb & lb		cl. c.	One rheumatism (newly entered on board) added to the lift; 7 in it.
10	8	82	a guide sa a des altro Il Sels U.S. a r Asta Prese	of the second se	20	Sb & lb	i di s	cl. c.	One with feverifh fymptoms added to the lift; \$ in it.
11 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	8	83	Part and a	r seetablit	21	Sb & Ib		cl. c.	The complaints of the 8th, the rheumatism of the 9th, and yefterday's complaint, well; I dyscn. tery added to the lift; 4 in it.
12	8	84	it-er suter		22	Sb 8t 1b		cl.	Two dyfenteries added to the 11ft ; 6 in it,
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Y car, Months, and Days.	Hours.	Thermome- ter	Latitude or different parts.	Longitude made.	Moon's Age	Winds.	Rain and Dew.	Appearances of the At- mofphere.	REMARKS, AND STATE OF THE SICK LIST.
1773 Junii 13	8	81 83 82	Jamaica	naria all'annari naria e pilas naria entre naria pilata al	23	Sb & Ib	di	cl.	The other dyfentery of the 4th, and yefferday's, both fent to the hofpital; 1 dyfentery, 1 lame complaint, 1 intermitting headach, and 1 muf- cular pain of the fide, added to the lift; 8 in it.
14	8 12 8		in Carrier (1) (1) w - Spaces		24	Sb & Ib	d.	cl. c.	One dyfentery, and I fever, who were both at the hospital, relapsed; 10 in the lift.
15	8128	81 83 82	nisterne di	e of the feve	25	Sb & lb	di :	cl. c.	The flux of the 6th, well; 9 in the lift. The muscular pain of the 13th, is a dyfentery now. His Majefty's ship Princes Amelia, failed for
16	8	81 83 82			26	Sb & lb		c. cl.	England. One dyfentery added to the lift; 10 in it. The Admiral failed in His Majefty's flip Portland, on a cruize.
17	8	82 83	us babba sala	il a ly as a sign	27	Sb & lb		cl.	The dyfentery, and the lame complaint of the 13th, well; 8 in the lift.
18	8	82	Alle Sill	a data ta ba a data a ba data parte da	28	Sb & lb	dl .	cl. c.	The intermitting headach of the 18th, well ; 2 dyfenterics, and a hamorrhage added to the lift.
19	8	85 83 84	edt To tein <u>Provinsion</u> Printed of t	fight comp	29	Sb & Ib	dL	cl. c.	His Majefly's fhip Guadaloupe came in. The thermometer afhore 91 at noon. One dyfentery, who returned as well from the
	12	85 93	in ai B , L	1 13 10 1 1 10 1		16	01,:	38	hospital, relapsed; rr in the lift. P. m. the men were brought off from the hospital, a died last night of the dysentery, and a some days ago. Very hot.
20	8 12 8	82 84 83	it die 91. in ferrente eon	einjalemon's sta, and the	m. a. m.	Sb & Ib	d	cl. c.	Ten dyfenteries of them who returned yesterday from the hospital, and 1 feury who was there, 1 with feverish symptoms, 1 strain, and 1 feor- butick swelling, added to the list; 24 in it.
21	8 12 8	83 83 81	The fates	inge born in	2	Sb & lb		cl. c.	Yefferday's hospital fourvy does duty, 1 contusion. added to the lift; 24 in it. The hospital dy- fenteries are very weak. Sailed at 6 a. m. fell
				n petit edb.					in with His Majeffy's thips, Portland, Princefs Amelia, and Seaford; and joined company with them, by the admiral's order.
22	8 2 8	82 82 82	Blue fields	ared decor dec	3	Sb & ib	di	cl. h.	The dyfentery of the 16th, and the firain of the 2cth, well; 4 dyfenteries, and z with feverifh fymptoms added to the lift; 27 in it. The hofpital fluxes all rather better, of 18 fluxes, 11 are maximes. Anchored at neon.
23	8 2 8	82 85 82	nia . nia	· Sellere	4	v	 p. m	h. cl. t. l.	The dyfentery who was the mufcular pain of the 13th, the old hofpital fever of the 14th, 1 dy- fentery of the 18th, and the feverifh complaint of the 20th, well; 23 in the lift. The weak fluxes complain more to-night.
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Year, Months, and	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere.	REMARKS, AND STATE OF THE SICK LIST.
1773 Junii 24	4 T 2 8	85	the second secon	tria angli in tria angli in set tria angli in angli in an	5		p.	h. cl.	One of the hofpital, took ill the 25th ult. and r of the 22d dyfenteries, well; I dyfentery added to the lift; 22 in it. We lie under very high mountains, from whence there is either a con- flant fog, or rain, and receive none of the be- nefit of the fea breeze, but have frequent difa- greeable puffs of wind off the mountains. The water is remarkably fine afhore; and limes very plenty.
25	8 12 8	85	na iFibest	UL ALAS	6	V a. m. p. m. Sb	••••	h. cl.	The feverifh complaint of the 22d well; and 1 dy- added to the lift; 42 in it. All the fluxes, ef- pecially the hospital ones, much weaker and worfe. P. m. all the squadron failed.
26	8 12 8	82 84 83	il in a sh	n) work Lifer O skriver a	7	a.m. EbN p.m. NbW **	212 * [4]	h. cl.	The flux of the 24th, well; 21 in the lift. A. m. flood off and on towards the land; p. m. we and the Prince's Amelia, parted company with the Portland and Seaford,
27	8 1 2 8	83 84 83	19° 02″	from the Weft End Jamaica 02°05″W	8	ENE **	10 10 10 10 10 10 10 10 10 10 10 10 10 1	cl. c.	Two dyfenteries, I of them was the hofpital fever of the 20th ult. the other is of the 22d inftant, recovered; 19 in the lift. The Princets Amelia in company.
28	8128	84 84 83	20° 02 [#]	03°58″₩	9	NE ENE **	Sale and	h. cl.	One of the hospital fluxes of the 28th ult. died, and two of them, I took ill the 27th ult. and the other I3th inft. well; the hospital flux who relapsed on the 14th, is a vomica, as well as being dysenterick; 16 in the lift.
29	8128	84 83 82	21° 19"	04°59" W	IO	v *		h. cl.	One hofpital flux, took ill the 28th ult. recovered, I feverish complaint, and I rheumatism added the lift; 17 in it.
30	8 12 8	84 83 82	21° 42″	from the Weft End of the Ifle of Pines 00° 34" W	11	ENE lb. *		cl.	Two fluxes, 1 an hospital one, took ill the 4th, and the other the 22d. and yesterday's feverish complaint, well, 1 flux added to the lift; 14 in it. The fcorbatick swelling of the 20th, has got a flux from attending the fick.
Julii 1 Die Jovis	8 12 48	82 82 83 82	21° 43″	Cape Orientis	12	f EbN t NNW *		el. c.	Four fluxes added to the lift; 18 in it. 14 Fluxes, 1 fever, 1 theumatifm, 1 contumon, and 1 vomica. Sailing along Cuba.
2	8 12 38	83 84 85 1115 85	22° 06″		13	i		b. c.	One of the fluxes took ill the 11th ulr, died, both of them who died, marines; 1 flux added to the lift; 18 in it. P. m. the fun's rays were very hot. The thermometer role therein in a few minutes, 26 degrees.
3		85 84 83	22° 39″	S sale to all A march brack Charles and Real har son	14	ENE*		с.	One flux, who was an attendant of the fick, added to the lift; 19 in it. The flux who was took ill the 19th of May, is recovered; but has a large ulcer.

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Y car, Months, and Days.	Hours.	Thermome- ter.	Latitude or differrat parts.	Longitude made.	Moon's age.		Rain or Dcw.	Appearances of the Atmosphere.	REMARKS, AND STATE OF THE SICK LIST.
1773 Julii 4	8 12 8	85 85 85	23° 06"	from Cap St. An- thony 00° 12" W	р. а. т.	V *		с.	One hofpital flux, took ill the 27th May, I flux of the 21ft, and the rheumatifm of the 29th ult. well; I old hofpital flux, and the eld feorbutick rheumatifm relapfed; IS in the lift,
5	8 1 2 8	84 85 84	23° 00″	00° 19" E	16	V *		р. m. cl.	The dyfentery of the 25th ult, well; I flux, and I hypochondria, added to the lift; 19 in it. Very hot.
6	8 12 8	84 85 84	22° 42″	00° 49″ E	17	V *.		cl. c.	Yefterday's hypochondria well ; 18 in the lift.
7	8	83 82 81	23° 00″ Off Cuba		18	f SSE t ENE *		cl.c.	No alteration in the fick lift. Standing off and on towards Cuba.
8	8 12 8	83 83 83	23° 01″		19	f NNE t ESE *	1	с.	One of the fluxes of the 1ft, added to the lift, is well; and an old fcorbutick complaint added to the lift; 18 in it.
9	8 12 8	83 84 83	23° 02″	and relation	20	f NNE t ESE **	- total	с.	The flux of the 30th uls. a of the 1ft, and the re- lapfed hofpital one of the 4th well; 14 in the lift.
10	8 12 8	83 83 82	23° 21″ Havannah		21	**	·	p.m. cl.	No alteration in the lift.
11	8 12 8	8z 83 82	23° 30″		22	f SbE t EbN **		cl.	One hofpital fever took ill 31ft May, 1 hofpital flux, relapfed the 19th ult, the flux of the 2d, and the fcorbutick complaint of the 8th, well; 2 fluxes (relapfed ones) added to the lift; 12 in it.
12	8 12 8	83 83 82	24° 16"	from Ma- tanfa co° 32″ E	1	E *		h.	The fcorbutick fwelling of the 20th ult, recovered of his flux, and the yesterday's well flux of the 2d, relapied; 12 in the lift.
13	8 12 5 8	83 83 86 84	25° 03″	00° 42″ E	24	E •	-	h. cl.	One marine hospital flux, took ill the 12th ult. died; 2 fluxes, I of the 18th, and the other of the 22d ult. recovered; 9 in the list.
14	8 12 8	83 83 83	25° 44″	00° 53″ E	25	E ***	•	cl.	One contusion added to the lift; 10 in it. Squal- ly at times.
15	8 12 8	83 83 83	27° 18"	01° 02" E	26	v -		с.	Vefterday's contution well; 9 in the lift. Loft fight of the Prince's Amelia; 3 men came on board from a merchant fhip, with very large foul ulcers to be dreffed. I fpared them fome bark and dreffings.
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Year, Months, and Days.	Hours.	Thermome- ter	Latitude or different parts.	Longitude made.	Moon's Age	Winds.	Rain and Dew.	Appearances of the At- mofphere.	REMARKS, AND STATE OF THE SICK LIST.
1773 Julii 16	8	0	29° 21"	01° 40″ E	27	f WbS t SWbS	100 m	cl. c.	The old fcorbutick rhoumatifin, and the relapfed flux of the 12th, well; 1 flux, and 1 feverifh complaint added to the lift; 9 in it.
37	8 12 8	83 83 83	30° 31″	03° 18″ E	28	f WbS t SWbS		cl. h.	One flux added to the lift; 10 in it. Very fultry.
18	8 12 8	82 81 80	31° 13″	05° 08″ E	29	1		cl. c.	The feverifi complaint of the 16th, and yefter- day's, well; I flux, and I feverifi complaint added to the lift; 10 in it.
19	8 12 8	80 79 80	30° 17"		p. m.	f NbE t NEbE *	V.	cl.	One flux of the rft, r of the 5th, r of the rith, and yeiterday's complaints, well; r suppressed perfpiration added to the hift; 6 in it.
20	8 12 8	80 81 80	30° 18″	06° 25″ E	1	ESE *		с.	One complaint with eruptions added to the lift; 7 in it.
21	8	81 82 82	-	06° 59″ E	2	fSW tW*		cl.	The flux of the 1sth, returned 19th, relapsed from irregularities, and 1 flux added to the lift; 9 in it. The vomica recovers a pace.
22	8 12 8	81 81 79	32° 27"	08° 28″ E	3	fSW tNW***		cl. t. l.	The complaint of the 20th, well; 8 in the lift.
23	8 12 8	80 81 80	32° 47″	08° 54″ E	4	a. m. * p. m. S		cl.	The flux of the 16th, and the complaint of the 19th, well; 6 in the tift. The valetudinarian fluxes are much affected with the change of weather.
24	8 12 8	81 80 80	34° 12″ R.	10° 40" E	5	S **		cl.	The vomica again feized with his flux, and is much worfe. No alteration in the lift.
25	8	79 78 78	35° 50″ R.	14° 05″ E	6	fS tWSW	•	cl.	No alteration in the lift.
26	8 12 8	79 79 78	37" 27"	17° 21" E	7	f SSW t SSE **			Six in the lift. Difagreeable weather.
27	8 12 8	79 79 78	38° 28″	18° 04″ E	8	SSW tSSE **	•	cl. c.	No alteration in the 11 %.
28	812	79 80 79	40° 06#	19° 41″ E	9	V a. m. *** p. m. S	•	cl.	The lift continues the fame,

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	Months, and Days.	Hours.	Thermome- ter.	Lotitude or different Parts,	Longitude made.	Moon's age.	Winds.	Rain cr Dew.	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
	1773. Julii 29	8 12 4 8	78 78 80 7 ⁸	4°° 36″	22° 18 [#] 🛎	10	p. m. SbW **	2011	cl.	The vertica died of his flax in the night. The flux of the 3d, the other one of the 11th, and the relayfed one of the 21ft, well; z in the lift.
	30	8 12 8	79 79 78	41° 20″	25° 28" E	11	SbW***	2.87	cl. c.	No alteration in the lift. The old fearbutick theu- matifm, has been ailing again fince the rainy weather began.
	31	8 12 8	78 78 76	42° 02″	28° 43″ E	12	S *		с.	No alteration in the lift. The z in it, are the flux of the zift ult, and the ulcer'd man, who was the flux added May 28th.
	Aug. 1 Die Sabbati	8 12 8	77 79 78	4 ^{2°} 33″	31° 09″ E	13	V p. m. ***	1.00	cl. t. l.	One bad flux, a marine took ill yefterday, 1 with fore eyes, and 1 headach, added to the llift; 5 in it.
	2	8 12 8	74 73 72	43° 16″	31° 29″ E	р. р. т.	E **	- 20	cl. h.	No alteration in the lift. A cold difagreeable day.
	3	8 12 4 8	72 72 74 73	43° 39″	31° 29″ E	15.	ESE SE **	4. XI	cl. h.	Five in the lift.
	4	8 12 8	72 72 79	44° 56″	32° 39″ E	16	f SEbS t ESE ***		h. cl.	The lift continues the fame,
	5	8 12 8	68 7° 69	45° 58″	33° 02″ E	17	f EbN t SEbE	· ·	cl. h.	The relapfed hospital flux, returned well, the 11th u.t. added again to the lift; 6 in it. Very cold,
	6	8 12 8	67 68 68	46° 07″	55° 12" E	18	f EbN t N		h. cl.	One old hofpital flux relapfed; 7 in the lift,
	7	8 12 8	68 67 67	45° 52"	35° 12″ E	19	V *		cl.	The headach of the 1st, well; 6 in the lift.
	8	8 12 8	66 65 66	45° 35″	37° 04″ E	20	N **		cl.	The bad dyfentery of the 1ft, died, a bad fever st- tended it, 2 fluxes, 1 of them an old hofpital one, and was took ill a fortnight ago though he did not complain, is now exceedingly ill, relap- fed, and 1 relapfed rheumatifm added to the lift; S in it.
	9	8 12 8	65 65 68	45° 52"	39° 20″ E	21	f NW t SbW **		cl. h.	The fore eyes of the 1ft, well ; 7 in the lift.

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Yeas, Montits, and Days.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appedrances of the Atmosphere.	REMARKS, AND STATE OF THE SICK LIST.			
1773 Aug. 10	8 12 8	70 69 69	46° 25"	43° 27" E	22	f sbW tWbN***		h. cl.	An old flux relapied; 8 in the lift.			
11	8 1 2 8	65 65 64	46° 35"	46° 47″ E	23	f NbE t NW***	·	h. cl.	An old flux relapfed ; 3 in the lift.			
12	8 12 8	64 63 65	46° 36″	49° 32″ E	24	NW **		cl.	The rhoumatism of the 8th, well ; 8 in the lift.			
13	8 12 8	65 66 66	47° 12"	52° 22" E	25	f W t SWbW **		cl.	One flux added to the lift ; g in it.			
14	8 12 8	65 66 66	48° 12"	56° 40" E	26	f WSW t NW ***	n's	cl.c.	The old relapfed hofpital flux, added the 8th, died, and the flux added the 6th, well; 7 in the lift,			
15	8 12 8	63 64 64	48° 42"	59° 20" E	27	f WbS t ENE *	•	h. cl.	No alteration in the lift,			
16	8 12 8	63 63 63	49° 04″	60° 46″ E	28	f N t NW***	•	cl, h.	Seven in the lift, Very cold.			
17	8 12 8	63 65 63	49° 11 [#]	64°16″ E	29	V *	••	cl. h.	One contution added to the lift ; 8 in it,			
18	8 12 8	64 63 63	49° 15″	65° 23″ E	m. a. m.	fE tNNW ***	·	c. h.	One with a dimnefs of fight added to the lift; 9 in it.			
19	8 12 8	63 63 63	49° 31″ p. m. Scilly	68° 14" E	2	NNW	•	cl.b.	One rough, an old man, failded to the lift; ro in it.			
20	8 12 8	63 63 63	49° 55″		3	a.m.* p.m.E		c, cl.	One of the relapied fluxes of the 8th, well; and an old relapied hofpital flux added to the lift; to in it: Yefterday's complaint, has had a colliquative flux on him this month paft, but did not complain.			
21	8	63 64 63	49° 00″		4	V *		cl. c.	The ulcer'd complaint, who was a flux, and the flux of the 13th, well; 2 contuñons, and the old feorbutick fwelling of the 20th June, who was fluxed too, become more feorbutick and added to the lift; 11 in it.			
22	.8 12 8	66 67 70	Off the land		5	V *	*	C.	The complaint with a dimnefs of fight, well; 1 flux, and 1 abicefs added to the lift; 12 in it.			

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Y car, Months, and Days.	Hours.	ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmosphere,	REMARKS, AND STATE OF THE SICK LIST.
1773 Aug. 23	8	67 68 70	50° 25"		6	v•	*	c. h.	The complaint of the 19th, and 1 of the contu- fions of the 21ft, well; 1 old contufion added to the lift with a flux; 11 in it.
24	8	66 67	I p.m. Cowes		7	W *	*	c. h.	No alteration in the lift. Laft night we lay at an anchor off the Needles, and this morning failed, and anchor'd in Cowes Read at 1 p. m. To be feat to the hofpital, 5 valetudinarian fluxes, and 2 old rheumatick complaints. Sick on board, 3 flight fluxes, 1 took ill the 9th, I the 22d, and the other 23d, I contumon of the 17th, I of the 21ft, I feury of the 21ft, the abfects of the 22d, none of them bad, and the old fcorbutick rheumatifm.
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CHAPTER III.

THE DIARY OF THE WEATHER AND STATE OF THE SICK LIST, BE-TWEEN THE 21ft OF NOVEMBER 1773, AND THE 1ft OF SEPTEMBER 1774.

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Year, Months, and Days.	Hours.	Thermome- ter	Latitude or different parts.	Longitude made.	Moon's Age	Winds.	Rain and Dew.	Appearances of the At- mofphere.	REMARKS, AND STATE OF THE SICK LIST.		
Nov. 21 Die Sabbati	12	58 f 58 f 60 f	49° 59″		8	f NE t NbE **		cl.	Sailed laft evening with His Majefly's Sloop Wea- fel from Cowes; 7 in the lift-2 foul ulcers, I feverifh complaint, I firain, I rheumatifm, I piles, and I weak from a fever.		
22	12	54 f 54 f 58 f	Off Scilly	24.174	9	fSWbS t-N ***		cl.	The feverifh complaint, well; 6 in the lift, M. The Weafel put about and flood from us. Ve- ry cold and difagreeable.		
23	12	54 f 54 f 61 f	48° 01″	from Scilly 02°18″W	10	f SW t NW ***		cl.	No alteration in the lift,		
24	12	55 f 57 f 64 f	46° 39″	02° 35″ W	11	f NNW t ENE **	-	°cl. c.	One contusion, and I inflammation added to the list; S in it; but some of them do duty.		
25	12	55 F 57 F 65 F	45° 16″	03°55″W	12	f NNW t ENE **	A 3	cl. c.	One contusion added to the lift; g in it. Agree- able weather.		
26		57 60 f 67 f	43° 36″	06°01″W	13	f ENE t ESE **	20	cl. c.	The piles of the 21, well ; 8 in the lift.		
27	8 12 8	61 64 f 70 f	40° 50"	07° 10″ W	14	f SE t SSE **		cl.c.	The weak complaint of the 21ft, and the contufi- on of the 24th, well; the returned feverifh complaint of the 22d, relapfed; 7 in the lift.		
28	8 12 8	64 70 f 70 f	39° 02″	08°09" W	р. р. т.	f SSE t SE **	4.13	cl. c.	The rheumatifm, and yefterday's complaint, well; 5 in the lift. The contumon of the 25th is a remitting fever.		
29	8 12 8	66 71 f 71 f	37° 33″	08° 57″ W	16	fSSE tSE **	1	cl. c.	One inflammation added to the lift; 6 in it,		
30	8 12 8	68 71 f 71 f	36° 02″	09° 40″ W	17	fSE tSbE **		cl. c.	No alteration in the lift. 3 Ulcers, 2 inflamma- tions, and 1 fcorbutick complaint, who was the ftrain of the 21ft.		
Dec. 1 Die Mercurii	8 1 2 8	67 67 67	34° 34″	°9°58″₩	18	SEbE **	2º	cl. c.	One ulcer added to the lift; 7 in it.		
2	8	67 66 68	32° 24″	10° 11″ W	19	f ESE t SE **		cl. c.	No alteration in the lift.		
3	812	68 68 68	30° 51"	10°32″W	20	f ESE t SE **		cl. c.	Seven in the lift,		

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Y car, Months, and Days.	Hours.	Thermome-	Latitude or different Parts,	Longitude made.	Moon's age.	Winds.	Rain or Dew,	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
4773 Dec. 4	8 12 8	68 68 70	28° 28" St. Cruze Teneriffe	ri, 1 he wi ard wieshe ith the Wind	21	f ESE t SE **		cl. c.	The inflammation of the 24th, and the contufion of the 25th, fince the remitting fever, well; I feverifh, and I gravelifh complaints added to the lift; 7 in it.
	8 12 8	-69 70 69	in Lable with	ushing)	22	Sb & lb		c. cl.	No alteration in the dift. Some of the men, as is ufual, drunk from getting wine off from St. Cruze. No flock to be got, and fearce any ve- getables. We always lye above a mile from the wharf.
6	8 12 8	68 67 67	i dan terat bi bi gʻi fili, odi	an for hereit in	23	Sb & 1b		c. cl.	Seven in the lift.
7	8128	69 68 67	155.997	e thirty be	24	Sb & 1b		cl.	The feverish complaint of the 4th, well; 6 in the lift.
	8 12 8	68 70 67	ante anter	ni tas an	25	Sb & lb	98	clc.	One rheumatism who was the feverish complaint of the 21st, and 1 purging complaint, added to the lift; 8 in it,
9	8 12 8	68 69 69		lenti aldırmı inc	26	Sb & lb		clc.	No alteration in the lift.
10	8 12 8	70 70 69			27	Sb & Ib	No. 1	cl. c.	The purging complaint of the 8th, well; 7 in the lift.
11	8 12 8	70 70 71		1.2500.900 -	28	Sb & Ib		cl. c.	No alteration in the lift, A. m. the Weafel came in, After the put about on the 22d ult, they met with a gale of wind and went back to En- gland.
12	8 12 8	67 70 73 f	t a land a star t a land a star t a land a star t a star star star star t a star star star star star t a star star star star star t a star star star star star star star t a star star star star star star star t a star star star star star star t a star star star star star star star t a star star star star star star star s	Contraction	29	Sb & lb		cl. c.	One feverifh complaint added to the lift; 8 in it.
13	8 12 8	70 71 72 f	Contrag en est materialmente dan contast sectors para as general a la c		m. p. m.	Sb & 1b		cl. c.	The rheumatism of the 8th, well; 1 fwelled face added to the lift; 8 in it. P. m. His Majefty's fhips Salifbury, and Sea Horfe, went paft.
-14	8128	70 70 72 f	anda ser - N	and the	1	Sb & lb		cl. c.	The gravelifh complaint of the 4th, well; 7 in the lift.
15	8	70 70 75 f			2	Sb & 1b		c. cl.	The fwelled face of the 13th, well; 1 feverifh complaint, and 1 fwelled face, added to the lift; 8 in it. The complaint of the 12th, is a re- mittent fever.
16	8 12 8	70 71 70	Abea ya Ida jiyaa		3	Sb & lb		c. cl.	Yefterday's feverifi complaint, well; I complaint with cruptions, and I fwelled face added to the list. These swelled faces, are attended with a fever, shall therefore call them a catarrhous fe- ver.

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Ycar, Months, and Days.	Hours.	I hermome-	Latitude or different parts,	Longitude made.	Moon's age.	Winds,	Rain or Dew.	A ppearances of the Atmosphere,	REMARKS, AND STATE OF THE SICK LIST.
1773	1	in in a	an 200 kan Inor alt mi No dul pirty	tion yield the ryth, t units and by 7 milt.		Pris .		2.4 2	ver. The water and wine which we got on board were as good as usual; 9 in the lift, Sailed, with the Weafel at 5.p. m
Dec. 17	8 12 8	71 71 72	28° 04″		4	V *	e.	c. cl.	One catarrhous fever added to the lift; 10 in it.
18	8 12 8	71 71 71	26° 54"	from St. Cruze 00° 19" E	5	w *	35	c. cl.	The feverifh complaint of the 4th, and the ca- tarrhous fever of the 15th, well; 1 catarrhous- fever added to the lift; 9 in it.
19.	8 12 8	70 70 70	25° 23" Coaft of Barbary	01° 00″ E	6	wsw*	1.48	c. cl.	The complaint with cruptions of the 16th, well; 1 abicels added to the lift; 9 in it.
20	8 12 8	69 69 69	25° 02″	01° 02″ E	7	fW tSW **	đi	cl.	The remitting fever of the 12, well; 1 catarrhous fever, and 1 contuinon added to the lift; 30 in it.
21	8	69 69 69	24° 50″	00° 47″ E	8	fN tNW*	ial	cł. h.	No alteration in the lift. The fea has a very dif- agreeable fmell. Anchor'd from 9 a.m. to z. p. m.
2.2	8 12 8	70 68 68	24° 32″	00° 37″ E	9	f NW t NE *	d	с.	Ten in the lift.
23	8 12 8	66 65 65	23° 36″	00°47″W	10	ENE **		с.	One catarrhous fever of the 17th, 1 of the 18th), and the abicels of the 19th, well; 7 in the lift.
24	8 1.2 8	65 65 67	20° 47" Cape Blancho	ervil corp	11	ENE **		c.	The contumon of the 20th, well; and the remit- ting fever returned to duty the 20th, is relapfed. M, anchor'd off Cape Blancho, very cold.
25	8 12 8	67 69 79	all and a share a			fNNE LENE **	*	с.	One feverish complaint added to the lift; 8 in it. The fhore feems to be quite a defert. Our boats went a fifting laft night, and caught with the feene a great many very large fift, both flat and round; fome of the latter weighted \$41b. each,
uir die		y .nı	, sels da taladé	inno destruction		336	di	418	and were exceedingly fat. Their proper names I know not. We lye about 2 miles from the thore.
26	8 12 8	68 68 67	20° 44″	And Private Marganistan Andre Anderson	13	f NNE t ENE *	*	с.	The catarrhous fever of the 20th, is become a very bad cough; 8 in the lift. Sailed at 9 a.m. with the Weafel.
27	8 12 8	68 67 69		from Cape Blancho 00° 03# E	14	f NNE t ENE *	*	с.	The Catarrhous fever of the 16th ; and the fever- ish complaint of the 25th, well; 6 in the lift. The land is very low, which we are failing paft.

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Year, Months, and Days.	Hours.	Thermome-	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1773 Dec. 28	8	68 67 68	18° 27"	oı ° oʻ / E	15	f NNE t ENE *	*	c.	One catarrhous fever added to the lift; 7 in it. 6 p. m. anchor'd about 5 or 6 miles from the fhore.
29	8 12 8	63 67 70	17° 58″	01° 26″ E	р. а. т.	f NNE t ENE *	*	h.	Two ulcers, 1 of the 21ft ult. and 1 of the 1ft, well; 2 contutions added to the lift; 7 in it. A great many large groupers and inappers caught along fide of the fhip with bait. Sailed at 9 a. m. and anchor'd at 2 p. m. with the Weafel.
30	8 12 8	69 70 70	17° 58″	0:° 26″ E	17	fnne t Ene *	*	h.	No alteration in the lift. At 1 p. m. failed and anchored again at 6 p. m. By anchoring fo of- ten we endeavoured to find out with the boats, a place called Portendick; but to no purpofe.
31	8 12 8	70 69 69	17° 30″	01° 16″ E	13	fNNE tENE *	*	h.	The relapied fever of the 24th, well; and I fever- ifh complaint, added to the lift; 7 in it. Two contufions, 1 feury, I very bad rough, I re- mitting fever, I catarrhous fever, and I ulcer. Sailed at 9 a. m.
1774 Jan. 1 Die Saturni	8 12 8	69 69 69	t 6° 23" Senegal road	01° 17″ E	19	f NNE t ENE **	*	h	No alteration in the lift. 5 P. m. anchored in the road off Senegal bar, about 5 miles from the fhore; 5 merchant flips lying here, to get over the bar; but it has been fo rough of late, that a of them has been waiting thefe fix weeks paft, and could not even fend a boat over.
2	812 48	68 70 71 70	15° 53″	enn direcciù edi nue in stel auf addi set	20	f NNW t ENE **	*	h.	One inflammation added to the lift; 8 in it. A good deal of fwell here. The Weafel in com- pany with us.
3	8 12 4 8	69 70 72 71	tr . All ad	iltration in h. int.cr. julm.	21	f NNW t ENE **	*	h.	No alteration in the lift.
4	8 12 8	70 71 71	on of the co of the sol	ouber regrue	22	f NNW t ENE **	*	h.	Eight in the lift. No boat can pais the bar yet. A very thick haze or fog, with a fwell.
5	1818	71 71 72	he lid. plaint sith	ligention in ferentia me	23	f NNW t ENE	* 5	h. 8.82	The catarrhous fever of the 23th, well; and I of the contufions, the right elbow, of the 29th ult. returned to duty though not quite well; I ca- tarrhous complaint, I with gripes, and I lame complaint, added to the lift; 9 in it. Difagree- able cold foggy weather. Severe wandering muf- cular pains are very general on board.
6	8 12 8	72 71 71	the mid-	i nig. 6 nig	24	f NNW t ENE **	*	cl. h.	No alteration in the lift. Nor can a boat get over the bar.
7	812	71 73 74			25	f NNW t ENE	*	cl. h.	The complaint of the 31ft, well; the recovered catarrhous complaints of the 5th, relapfed, and 2 more complained, 1 of them flight and not added to the lift; 10 in it.

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	1774 Jan. 8	124	74	Seneg 1 road	 Calipanie a Salaria Balance 	26	f NNW t ENE **	*	h.	The griped complaint of the 5th, well; 9 in the lift. The bad cough is now become a bad fever.
	9	8	73			27	FNNW tENE**	*	h.	One of the lame complaints is a venereal; S in the lift. A great fwell, and furf upon the bar yet.
	10	8	72			28	f NNW t ENE	*	h.	No alteration in the lift. A very thick fog.
	11	8 12 8	72		a service Manager	29	f NNW t ENE	*	h.	The inflammation of the 2d, well; 7 in the lift.
	12	8 12 8	70			m. a. m.	f NNW t ENE	*	h.	Two of the catarrhous complaints of the 7th, well; 5 in the lift.
	13	8 12 8	70 70 71		rini pravo ta Indi pravo ta Rođeni pravo ta	2	f NNW t ENE *	*	h. c.	The catarrhous complaint of the 5th, and the other of the 7th, well; 1 lame complaint, ad- ded to the lift; 4 in it.
	14	8 12 4 8	70 70 72 74	inter and	in others	3	f NNW t ENE *	*	с.	One feverifh complaint, added to the lift; 5 in it. One of our boats, and one of the Weafel's gone over the bar.
	15	8128	71 71 75			4	Sb & lb	*	c,	No alteration in the lift. The bad fever of the Sth, better. The fea and land breezes are more regular.
	16	8 12 8	72 76 75	tio feet est v cestronne	t is site at a phildle page	5	Sb & 1b	*	e. h.	The other contumion of the 29th ult, and the com- plaint of the 14th, well; 3 in the lift.
	17	8	73 75 75			6	Sb & lb	*	h,	No alteration in the lift.
	18	8	73 75 75			7	Sb & lb *	*	h. c.	One feverifh complaint with a tumour, added to the lift; 4 in it. A large fwell.
	19	8 12 8	71 78 75			8	Sb & lb	*	h. c.	One feverifh complaint, and I contustion added to the lift; 6 in it. The bad fever of the 8th re- mits now. The land wind remarkably hot.

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Months, and Days.	Hours.	Thermome-	Latitude or different parts.	Longitude made.	Moon's Age	Wiads.	Rain and Dew.	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
1774 Jan. 2	1	79	Senegal Road		9	Sb & Ib	*	h. c.	No alteration in the lift. The land wind has blown a great many different kinds of flies on board these two days.
21	8	73			10	Sb & lb	*	h. c.	One feverifh complaint added to the lift; 7 in it. A fhip arrived from Teneriffe, by which we are informed that a report prevailed there of our bring caft away on Cape Blancho, together with the Weafel.
22	8	74	all out to t		II	Sb & Ib	*	h. c.	The other uleer of the 21ft Nov. and yefterday's complaint, well; 5 in the lift. I confulted Captain Collingwood about making a quarter cafk of wine, into a tincture of bark (fee the poffcript) and got him to recommend the fame method on board of the Weafel.
23	8	72 72 73			12	Sb & Ib	*	h. c.	No alteration in the lift. The bar unpaffable yet.
24	8	72 73			13	Sb & lb	*	h.	Five in the lift.
	8	72		es naliensis		Sb & lb		h	No alteration in the lift,
25	12	71 71 71			14	55 0 10	*		No alteration in the lift,
26	8 12 8	71 72 72		Contractor Contractor	15	Sb & Ib	*	h.	The complaints of the 19th, well; the boats re- turned p.m. Their crews were feized with fe- vere gripings and a purging, while they waited on the beach for a fmooth bar. There they made a fort of tent, and lay fome in it, and others in the boats, but not well covered from the dews; and they had only brackifh water.
27	8 12 8	72 74 73	, inite the state	nde seid a	р. р. т	Sb & Ib	*	h. c.	Three in the lift. Captain Collingwood commif- fioned the Lord Dartmouth armed Schooner, and fent on board of her a Captain, a Lieute- nant, a furgeon, two midfhipmen, petty officers and men.
28	8 12 8	72 73 73			17	Sb & lb	*	h. c.	The complaint of the 18th, well ; and r with fe- verifi fymptoms added to the lift; 3 in it. We got nothing from the flore of any kind.
29	8 12 8	72 73 73	ilana is	no ti ali	18	Sb & lb	*	c. h.	One feverifh complaint added to the lift; 4 in it. P. m. got under way and anchored again.
30	8 12 4 8	72 72 74 73	15° 46″	Impine	19	NbW**	*	h. c.	Three added to the lift with feverifh complaints; 7 in it. Sailed at 9 a. m. with the Weafel,

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W	1	I hermome-	Latitude or different parts.	Longitude made.	Moon's age.		Rain or D.w.	Appearances of the Atmosphere.	REMARKS, AND STATE OF THE SICK LIST.
1774 Jan. 31	8 1 2 8	74 74 74	15° 34″	trom Barbary Point 02° 10″ W	20	f NbW t NEbN	-	с.	The lame complaint of the 13th, well; 6 in the lift. 5 flight fevers, and 1 feurwy.
Feb. 1 Die Martis	8 12 8	74 74 74	15° 11″	04°58″W	21	f NbW t NEbN **		с.	Two of the feverifh complaints of the 30th, well 5 in the lift
2	8 12 8	75 76 77	15° 15" Mayo	1	22	f N t E		с.	The complaint of the 28th, well; 4 in the lift. P. m. anchor'd at the ille of Mayo, with the Weafel.
3	8 12 4 8	75 77 79 77	15° 07"		23	f N t E		с.	No alteration in the lift. Every thing in the fields affore is burned up for want of rain; and every living creature as well as the people are almost flarved, and they fay that the drought has been general amongit the iflands, and that there is a plague in fome of them. We got a few bul- locks on board, which are very lean indeed. They have very little live flock, and are in great want of provisions.
4	8 12 4 8	75 75 77 75		d estates ()	24	f N t E		c.	No alteration in the lift.
5	8	74 75 77	St. Jago		25	p. m. V *		c.	The other flight fever of the 30th, well; 3 in the lift. Sailed and anchored in Porto Prayo Bay, at 11 a. m. An English East India Packet ly- ing here, that put in to refit after a violent florm of wind, thunder, and lightning, which we met with off the Cape Finisfler, and which, they inform us on board of her, did great da- mage at Madeira.
6	8 12 8	74 75 75			26	v *	•	cl.	No alteration in the lift, No flock to be got, nor any kind of vegetables.
7	8	75		april 1	27	*		cl.	The feverifh complaint of the 29th ult, well; 2 in the list. We caught a great many fifh with the
	12						9	2 68	icene, and after fupplying the Weafel and Pack- et there were a good many left, which were fent afhore to the Fort and received very thank- fully by the governor. Sailed at 6 p. m. and left the Weafel.
8	8 12 8	1 2 2	14° 00″	from Por- to Prayo 01° 01″ F		f E t NEbN **	1	cl.	The old bad cough, and fever, well; the feurvy in the lift only.
9	8	75	12° 45"	02° 43″ I	29	NELE *	•	h.	No alteration in the lift.

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Y car, Months, and Days.	Hours.	Thermome- ter.	Latitude or different Parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
1774 Feb. 10	8	74	11° 26″	04° 29″ E	т. р. т.	f NEbE **		h.	One griped complaint added to the lift; 2 in it.
н	8 12 4 8	76	10° 41″	from St. Jago 05° 22″ E	I	f NEbN t NW **		h. c.	Yefterday's complaint, well; I in the lift.
12	8 12 8	1.	10° 17″	06° 21″ E	2	V *		h. c.	One with cruptions, and I firmin added to the lift; 3 in it.
13	8 12 4 8	78 79 80 79	10° 14″	06° 36∥ E	3	a. m. — p.m.fNW tNbW *		h. c.	The 1 with eruptions does duty; and 1 diarrhea added to the lift; 3 in it. I made a quarter caffe of wine into tincture of bark.
14	8 12 4 8	77 79 80 79	c9° 21 [#]	07° 26″ E	4	f NW t NbW **		h. c.	The firain of the 12th, well; 2 in the lift.
15	812	79 78 79	08° 51″	08° 45″ E	5	f NW t NbW *	*	h. c.	The diarrhea of the 13th, well; I feverish com- plaint added to the lift; 2 in it.
16	8 12 8	78 78 81	08° 29″		6	a. m. *** p. m. * NE	*	cl.	The complaint returned well the 7th again added to the lift, with feverifh fymptoms; 3 in the lift. A. m. anchored off Sierra Leon. P. m. Sailed and anchored in the river.
17	8 12 8	80 82 83	Sierra Leon		7	Sb & Ib	*	cl, h.	One diarrhœa added to the lift; 4 in it. We lye as ufual in Freeman's bay, very near the fhore, 2 merchant fhips in the bay; one of which has been very fickly, and buried 10 white men, and 11 flaves.
18	8 12 4 8	78 82 85 83			8	Sb & 1b	*	cl. h.	Yefterday's diarrhœa, well; 3 in the lift. Gave every man who was fent afhore on duty, and in the boats, five ounces of the tincture of bark a. m. The relapfed complaint of the 16th, is a remitting fever. All the people fleep on board.
. 19	8 12 4 8	81 81 83 82			9	Sb & Ib	*	h. c.	One contufion added to the lift; and the old con- tufed elbow; 5 in the lift. Administer'd the bark to the fhorers, who are employed in wood- ing and watering the fhip. Plenty of fifth caught as ufual here. Though the fun fhines, it is neverthelefs very hazy.
20	8 12 4 8	81 82 83 82			10	Sb & lb	*	h. c.	The complaint of the 15th, well; and 1 contufion added to the lift; 4 in it, as the contufed elbow, which is become fcrophalous, does the duty of a centinel. Gave the florers the tincture of bark. Many of them got drunk laft night, and r was left in the woods. Heavy dews, no flock to be got.

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Yc.r, Months, and Days.	Hours.	Thermome-	Latitude or different parts.	Longitude made.	Moon's Age	Winds.	Rain and Dew.	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
1774 Feb. 2	18	82 83	Sierra Leon,	-	11	Sb & Ib	*	h. c.	No alteration in the lift. Gave the men the tinc- ture of bark. P. m. the man came on board who was left afhore the 19th. Though he did not complain, I entered him in the fick lift.
22	8				12	Sb & 1b	*	h. c.	The contumon of the 19th, well; I feverifh com- plaint added to the lift, from going into the water with a profuse fweat on him; 5 in the lift. Gave the people the tincture of bark.
23	8	80 82 81			13	Sb & lb	*	h. c.	The man who lay affiore, returned to his duty, but takes medicine, 1 feverifh complaint from the fame caufe as yefterday's added to the lift; 5 in. it. The men got the tincture.
24	8	80 81 81			14	Sb & lb	*	h. c.	The complaint of the 22d, and yefferday's well; 3 in the lift. Gave the fhorers the tincture of bark.
25	8 12 8	79 81 81			15	Sb & lb	*	h. c.	The relapfed complaint of the 16th, well; I diarrhea, I with feverifh fymptoms, I with the piles, and I lame complaint, added to the lift; 6 in it. The forbutick cafe much better from having been fent afhore every day. The mea got the tincture of bark. P.m. failed.
26	8 12 48	80 81 82 81	08° 26″		p. a. m.	fN. tNW*	*	h. c.	Yefterday's diarrhea has been bad this month, though he did not complain, he has a very bad fever and fevere gripes, with his purging, 1. diarrhea from cating oyfters, added to the lift; 7 in it.
27	8 12 8	18 18 18	08° 19″	from Cape Sierra Leon oc° 32" W	17	f WNW t NW **	*	h.	Yeflerday's diarrhæa, and the feverifh complaint of the 25th, well; 5 in the lift. A hypo, chondriack cafe, not in it.
28	8 12 4 8	80 81 83 f 82	08° 06″	00°42″W	18	f WNW t NW *	*	h. c.	The piles of tho 25th, well; 3 feverific complaints, I with eruptions, and I cough, added to the lift; none of them were fhorers, 9 in it. I bad fever, with a flux, I feurvy, I lame complaint, and I contufion, befides them who complained this day.
Martii 1 Die Martis	812	81 83 82	°7° 36″	co° 48#W	19	V *	*	h.	The contuiton of the 20th ult. yefferday's cough, and 1 of the feverifh complaints, well; 6 in the lift befides the hypochondria who takes no medicine.
2	8 12 8	81 82 80	° 7 ° 08″	00° 02″ W	20	N Wly *	*	h.	One feverifh complaint added to the lift; 7 in it.
3	8 12 8	80 80 81	06° 48″	00° 45″ E	21	N Wly *	*	h.	One feverifh complaint added to the lift the 28th ult. well; they feem to proceed from a redun- dancy of the bile, 6 in the lift.

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Months, and Days.	Hours.	Thermome-	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dcw.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1774 Aartii 4	4 8	79	06° 26"	01° 41″ E	22	v*	*	cl. h.	The complaint with cruptions of the 28th, well; 5 in the lift. The lame complaint of the 25th, is an old fiftula in ano.
5	8 12 8	78	0 5° 06″	from Cape Montíerado 00° 11" E	Kin -	v *	*	h.	No alteration in the lift,
6	8 12 8	-78	05° 20″	01° 15″ E	24	N Wly *	*	h.	The purging; or bad fever of the 25th ult. died- he was elderly and fubject to complaints in his- bowels, and the complaint of the 2d, well; 3 in the lift.
7	8 12 8	80 80 82	°4° 37″	02° 06″ E	25	Sb & lb *	*	h.	No alteration in the lift. Off Cetera Crue, from whence very fmall canoes always come on board, the men are dextrous in fwimming and diving, and in begging I may fay.
8	8 12 4 8	82	04° 30″		26	Sb & lb *	*	h.	Three in the lift. Sailing along the land.
9	8 12 8	8r 83 f 81	04° 20″		27	Sb & lb *	*	h.	No alteration in the lift. Our fails are black with mildew, from the heavy dews in the night and the fog by day, and every thing on board is quite damp and mouldy; the wood fhrinks and iron rufts amazingly. The fhip's decks are very damp too, notwithftanding the fun fhines. No perfon on board refreshed from fleep.
10	8	81 81 82 81	°4° 41″		28	Sb & lb	*	h. cl.	No alteration in the lift, Not far from the land,
11	8 12 8	81 81 80	°4° 44″	from St. Andrews 00° 30 [#] E	29	Sb & lb *	.*	h. cl.	The other feverifh complaint of the 28th, well; 2 in the lift. But neither the fcrophulous elbow; nor hypochondria are well.
12	8 12 8	79 80 80	Cape Le Hou		m. a. m.	Sb & lb	• *	h.	One feverifh complaint added to the lift ; 3 in it.
13	8 12 4 8	80 81 83 81	05° 08″		2	Sb & lb	*	h.	Yefterday's complaint well; 2 in the lift,
14	8 12 8	82 83 82	a.m.Cape Appalonia 04° 50 ¹¹		3	Sb & lb	*	cl.	No alteration in the lift. 9 A. m. anchor'd at Appalonia, about five miles from the fhore, and failed at 1 p. m.
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	Y car, Months, and Days.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
	1774 Martii 15	8 12 8	81 83 82	Cape Coaft	02° 10″ W L.O.	4	5b & 1b	.*	с.	The lame complaint of the 25th ult. does duty, though not quite well; the feorbutick cafe only in the lift. Some flight opthalmick complaints who do duty. I p. m. anchored.
	16	8 12 8	81 82 81		anthesis.	5	Sb & 1b		с.	No alteration in the lift. We lye about two miles from the fhore.
A State of the state	17	9. 12 8	82 82 81			6	Sb & lb		c.	One in the lift only. Employed in watering the fhip. The waterers get the tincture of bark in the morning. There is but little water in the pond, and that is thick. Some quick lime is therefore thrown into it; it is well firained and to be used only for boiling the provisions, and to be given to the flock. The feasbutick call fent afhore every day.
	18.	8. 12 8	83 82 80	a series -	-	7	Sb & lb		cl. c.	No alteration in the lift. Gave the waterers the tincture of bark. The men get a great deal of New-England new rum from the blacks, and are continually drunk.
in the second of the	19	8 12 4 8	80 83 84 81			8	Sb & lb		cl. c.	One in the lift. Gave the waterers the tincture of bark ; neither flock nor vegetables to be go worth notice.
	- 20	8 12 8	83 83 82			9	Sb & Ib		cl. c.	The lift continues the fame. Gave the wateren the tincture.
	21	8 12 4 8	83 83 84 82			10	Sb & lb	1	cl. c.	No alteration in the lift. Administered the tine- ture to the waterers. The men keep conftantly drunk.
	22	8 12 4 8	83 84 85 83			11	Sb & lb		cl. c.	One only in the lift. Gave the waterers the tincture. The thermometer in the Caffle, ha not been below \$2, nor higher than \$6, fince we arrived.
	23	8 12 8	83 82 81			12	Sb & lb		cl.	The fcorbutick pretty well recovered, and doer fome duty. 7 P. m. failed. The people where we have touched on the coaft, were all healthy generally.
	24	8 12 8	81 82 82	04° 15″	from Cape Coaft 00° 05″ W	13	w *		c.	The hypochondria continues bad, the ferophulous elbow rather worfe, the fiftulous complaint not quite well, 1 opthalmia, 1 excertation, and 1 feverifh complaint added to the lift; 5 in it.
	25	8 12 8	83 83 81	03° 07″.	00° 26″ E	14	a. m. W p. m. SSE Ж		cl.	No alteration in the lift; only yefferday's feverish complaint has a diarchœa.

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Year, Months, and Days.	Hours.	Thermome-	Latitude or different parts.	Longitude made.	Moon's Age	Winds.	Rain and Dew.	Appearances of the At- mofphere.	REMARKS, AND STATE OF THE SICK LIST.
1774 Martii 26	8 12 4 8	82 83	02° 10″ R,	00° 26" E from Cape Coaft		w *	410 1	cl. c.	The feverific complaint of the 24th, well; 4 in the lift. Neither the fcorbutick, who is not quite well, nor the old fiftula in ano, are in- cluded in it.
27	8 12 8		01 [°] 24″	01° 04" E	р. р. т.	wsw swbw *	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	c.	No alteration in the lift.
28	812	81 83 82	00° 51″	01° 37″ E	17	V*		cl.	The lift continues the fame,
29	8 12 4 8	82 82 84 82	'00° 37″	01° 54" E	18	V*		cl.	Four in the lift. Hardly an air of wind, and ve- ry fultry.
30	8 12 8	83 83	00° 14"	01° 49″ E	19	EbS *	•	cl.	The opthalmia of the 24th, well; 3 in the lift.
31	8 12 8	83 83 81	00° 18" South	02° 37″ E	20	EbS *	p. m.	cl.	No alteration in the lift. We fell in with a New England whale fifting veffel, eight months out, and only the mafter bad, of a remitting fever. I fpared him fome bark and other medicines which I preferibed for him; he came on board of our fhip. The hypochondria, the fcrophula, and excortation are the 3.
Aprilis I Die Veneris	8 12 8	81 83 82	00° 49″	02° 16″ E	21	f SbW t SbE *	10 10 10 10 10 10	cl. c.	Two fluxes, marines, added to the lift; and 1 ex- coriation; 6 in it, befides the feorbutick and fiftula, who do fome duty.
2	8 12 8	84 84 83	01° 16″	01° 33″ E	22	f SbE t SSW *		cl.	Three fluxes, z of them marines, added to the lift; 9 in it.
3	8 12 8	83 83 82	01° 48″	00° 16" E	23	f SbE t SSW *	••	cl.	No alteration in the lift. The fluxes are very bad dyfenteries.
4	8	80 82 82	02° 16″	00° 22″ W	24	fSbE t SbW *	· · · · · · · · · · · · · · · · · · ·	3	The excoriation of the 1st, has got a flux, No other alteration in the list.
5	8 12 8	82 82 81	03° 06″	01°44″W	25	SbE **	- 11 - 11	cl. c.	Yefterday's flux well; but his excoriation not yet healed; 9 in the lift.
6	8	82 82 82	04° 03″	03°20″W	26	SbE **		c. cl.	One flux, a marine, added to the lift; so in it,

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Y car, Months, and Days.	Hours.	Thermome-	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere.	REMARKS, AND STATE OF THE SICK LIST.
1774 Aprilis 7	8	81 80 81	°4° 37″	o5°55"W from Cape Coaft	27	f SbE t SE **		c. cl.	No alteration in the lift. Yefterday's flux is a dyfentery. All the dyfenteries are very bad,
8	8 12 8	82 80 80	°4° 41″	08°09″W	28	f SE t SbE **	12 2	с.	One old man added to the lift with the fourwy, he is fubject to it; 11 in it.
9	8	82 80 80	°4° 48″	09° 47″ W	29	f SbE t SEbS **		с.	One flux added to the lift; 12 in it,
10	8 12 8	82 81 81	°4° 51″	12°04"W	m. p. m.	f SbE t SEbS **		с.	One marine a dysentery of the 1st, and the excori- ation, well; so in the list.
11	8 12 8	81 81 81	04° 41″	14°42″W	1	f SbE t SEbS **		cl.	One marine a dyfentery, well; 9 in the lift,
12	8	83 82 82	°4° 34″	1 7° 08″ W	2	SE **	•	cl.	One of the dyfenteries, (a marine) added to the lift the 2d, died; 8 in the lift.
13	8 12 8	83 82 82	04° 25″	19°48″ W	3	f EbS t SSE **		cl.	One marine took ill yefterday with the flux, but did not complain, added to the lift ; 9 in it.
4	8 1 2 8	83 83 83	04° 15"	22° 42″ W	4	f EbS t SSE **	12.13	cl. c.	One dysentery added to the lift; 10 in it,
15	8 12 8	83 82 82	04° 04″	25° 10" W	5	SEbE **		c. cl.	The dyfentery of the 13th died, 1 old rheumatifm added to the lift; 10 in it.
16	8	83 82 82	03° 04″	^{27°} 15″ W 30°00″ W L.O.	6	a.m.SEbE p.m.V *	p. m.	c. cl.	Yefterday's complaint does duty ; 9 in the lift,
17	8 2 8	83 82 82	°2° 30″ R.	28°03" W	7	V *		cl.	One dyfentery added to the lift; 10 in it. Difa- greeable weather.
18	8 1 2 8	18 18 18	02° 11″	28° 35″ W	8	f SE t NEbN **		cl.	No alteration in the list. Very difagreeable wea- ther.
19	8 2 8	80 79 81	°1° °5″ R.	30° 2 1″ W	9	fSE tNEbN **		cl.	One fever, a marine, 1 dyfentery, 1 griped com- plaint, and 1 naufea from cating fhark, added to the lift; 14 in it.
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Year, Months, and Days.	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1774 Aprilis 20	8	1000	00° 19" R.	31°32″W	10	f SE t NEbN **		cl.	Yefferday's griped complaint, and the naufea well ; 12 in the lift.
21	8	81 82 82	oo° o6" North R.	32°.09" W	11	V **		cl.	One dyfentery, a marine, added to the lift; 13 in it.
22.	8 12 8	82 80 81	co° 33″ R.	32°49″ W	12	f E tNE *		cl.	One feorbutick, who is very feverifh, added to the lift; 14 in it.
23	8 12 8	81 81 81	01° 17″	35° 10″ W	13	fE t NE *	•••	cl.	No alteration in the lift, or weather.
24	8 12 8	81 80 80	02° 23"	36° 26" W	14	fE tNE*		cl.	One feurwy added to the lift; 15 in it. All the forbuticks are feamen.
25	8 12 8	79 79 78	°3° 31″ R.	37° 34″ W	15	v ***		cl.	One fcurvy added to the lift. P. m. the dyfente- ry of the 21ft, died, 15 in the lift. The dyfen- teries who were recovering, grow worfs again, Very bad weather, and Squally.
26	8 12 8	79 79 80	04° 28"	38°54" W	р. a. m.	f NEbN t ENE **		c. cl.	One added to the lift with a nausea; 16 in it.
27	8 12 8	80 81 80	°5° 57″	40° 39″ W	17	NE **		cl.	The feorbutick of the 25th does duty, though not well; I fever, a marine, added to the lift; 16 in it.
28	8 12 8	80 79 80	07° 20"	42° 02″W	18	f SE t NEbN **	i.	cl.	The fever of the 19th, the complaint of the 26th, and yesterday's fever, well; I headach added to the lift; I4 in it.
29	8 12 8	80 78 79	08° 24″ R.	43°06″W	19	NEbN **	• \	cl.	The dyfentery of the 6th, well; I dyfentery, and I griped complaint, added to the lift; I5 in it.
30	8	80 79 80	09° 27″	44° 16″ W	20	NE **	-	c. cl.	The dyfentery of the 17th, died, 14 in the lift.
Maii 1 Die Sabbati	8 12 8	81 81 81	10° 25"	45° 36″ W 53° 40″ W L. O.	21	NE **	9.0	c. cl.	One flux of the 2d; the flux of the 9th, the head- ach of the 28th, the griped complaint of the 29th, and the excoriation of the 24th, ult, well; the old fcurvy added to the lift; 10 in it. 4 Dyfenteries, 4 fcurvies, 1 white fwelling or fcrophula, and 1 hypochondria.
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Y car, Months, and Days.	Hours.	Thermome- ter.	Latitude or different Parts.	Longitude made.	Moon's age.		Rain or Dew,	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
1774 Maii 2	8 12 8	18	I L° 57"	47° 11" W 54° 37" W L. O.	22	NEbE **	•	c. cl.	The feurvy who did duty the 27th, the flux of the gth ult. who was returned well yefterday, re- lapsed, and I large feorbutick ulter added to the lift; 13 in it.
3	8	80	13° 55"	48° 37″ W	23	ENE **		c.	Yefterday's relapfed flux, well; I feurvy, and I feald, added to the lift; 14 in it.
4	8	80	15° 27"	50°:96" W	24	f SEbE t E **		.c.	One fourvy added to the lift; 25 in it. Belides fome ulcers.
5	8	81	16° 20"	51°41″W	25	E *		c. cl.	The dyfentery of the 14th ult. well; 1 with fever- ish symptoms added to the lift; 15 in it.
б	8	80	9 a. m. Defeada 16° 39″	61° 35″ W L.O.	26	E *		cl. c.	One feverish complaint added to the lift; 16 in it, We were much out in our reckoning; (but made Defeada exactly by the lunar obfervati- on,) the reason affigned for which and our hav- ing had fo rainy a paffage, is our having been carried over too far to the weftward, and there-
	-						1		by too near to the Spanish main, by a current.
7	8	18	a. m. Antigua	di manini i	27	Sb & lb		c. cl.	One contufion added to the lift; 17 in it. Sent the S fourvies, 1 fcrophula, and 2 weak dyfen- terier, to the hospital. We anchored at 8 a.m. in Freeman's bay, English harbour. Not a ship in it but our own, the admiral and squadron be- ing on a cruize.
8	8	82			28	Sb & 1b	•	c. cl.	The complaint of the 6th, well; 5 in the lift. The men get new rum off from the fhore, and are frequently drunk.
9	8 12 8	82			29	Sb & lb	•	c. cl.	The complaint of the 5th, well; 4 in the lift. No fresh meat and few or any vegetables to be got.
10	8	82		enclassion -	m. p. m.	p. m. V *	•	c. cl.	Five of the fcurvies, and the fcrophula returned from the holpital; I fcurvy, I fupprefion of urine, and 2 fevers, one of whom was returned to duty the 8th, added to the lift; 14 in it. Sail- ed at m
11	8	81	a. m. St. Chriftophers	en er en er	d.	V **	•	c. cl.	No alteration of the lift. Anchored in old road, to water the fhip, at 10 a.m. P.m. A num- ber of the men drunk.
12	8	81			2	V **		c. cl.	The fupprefiion of urine of the roth died (See the review for this month) and the contufion of the 7th, well; the headach returned well the 1ft, relapfed, and I fearvy added to the lift; 14 in it.
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Year, Months, and Days,	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere.	REMARKS, AND STATE OF THE SICK LIST.
1774 Maii 13	8	80 80 80	apra dan s	Allowed and an and a second se	3	f NE t E **	1	c. cl.	The fevers of the 10th are remittents, and yefter- day's headach remits. No other alteration in the lift. Sailed at 6 a. m.
14	8 12 8	80 80 80	17° 10″	from St. Chriftophers 02°04"W	4	f NE t E **	-12-12	c. cl.	The feald of the 4th, well; and 1 lame complaint added to the lift; 14 in it.
15	8 12 8	80 81 81	17° 08″	04° 02 ″W	5	fNE tE*	1738	c. cl.	Two fluxes, I was returned to duty the 5th, and ' 2 headachs, added to the lift; IS in it.
16	8 12 8	81 81 81	17° 19″	06°02″W	6	fSEbE t ESE *	41.5	c. cl.	The dyfentery of the 29th ult, well; 17 in the lift,
17	8 12 8	81 81 81	17° 23″	07° 30" W	7	f SEbE t E *		c. cl.	The relapfed headach of the 12th, well, 1 dyfen- tery added to the lift; 17 in it.
18	8 12 4 8	81 81 79 81	17.° 26″	from Al- tavella 00° 18" W	8	f E t SEbE	4	c. cl.	The lame complaint of the 14th, and 1 of the fluxes of the 15th well; 15 in the lift. One of the remittents of the 10th pretty well, but he has an ulcer on his leg.
19	8 12 8	78 77 79	17° 45″	01°45″W	9	V ***		t. l. cl.	One feverish complaint added to the lift; 16 in it, The people being up all night from a top mast being carried away, I gave each of them a wine glass full of tincture of bark a. m. with the Cap- tain's approbation.
20	8 1 2 8	81 79 81	18° 03″	from Navaffa 00° 21″ W	10	V ***		cl.	No alteration in the lift.
21	8 12 8	81 81 82	Jamaica		11	a.m.V**		c. cl.	One of the fevers of the 10th, and the complaint, of the 19th, well, 1 cough added to the lift; 15 in it. We anchored at Port Royal 5 p. m.
22	8 12 8	82 82 82		And a stand of a second of a s	12	Sb & 1b			Sent the 7 fcurvies, feamen, 2 foul ulcers, the fcrophula, and the relapfed flux of the 15th, to the hofpital; the ulcers were not in the fick lift. The flux of the 17th, well; 2 dyfenteries, 1 with eruptions, and the old relapfed headach again added to the lift; 9 in it. Sir George Rodney commands here fill. As frefh beef is allowed to the fhips only once a week, and as our men have been fo long with- out any, or vegetables, and are fickly, I wrote to the Captain to apply to the admiral for frefh beef every meat day for the fhip's company, but he would only allow it us twice a week.
23	812	82 83 83			13	Sb & lb		c.	Sent a flux to the holpital, who was not in the lift. No alteration in it.

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Year, Months, and Days.	Hours.	Thermome- ter	Latitude or different parts.	Longitude made.	Moon's Age	Winds.	Rain and Dew.	Appearances of the At- motphere.	REMARKS, AND STATE OF THE SICK LIST.
1774 Maii 24	8	82 82 83	Jamaica		14	Sb & lb		c. cl.	Nine in the lift, The men get very drunk with new rum.
25	8 12 8	82 83 83	in a th		р. р. т.	Sb & lb ***	-	c. cl.	One of the dyfenteries of the 22d, fent to the hofpital, a marine, and the relapfed headach well; 7 in the lift.
26	8 12 4 8	82 85 86 85		and a	16	Sb ***		c. cl.	Sent the other dyfentery of the 22d, and the cough of the 21ft to the hofpital, and the complain with cruptions of the 22d well, I flux, and I with a pain in his ftomach added to the lift; (in it. Very hot.
27	8 12 8	83 84 84			17	Sb & lb		с.	No alteration in the lift.
28	8 12 8	82 85 84		7	18	Sb & lb		c.	One added to the lift, with feverish fymptoms ; 7 in it.
29	812	81 85 84		an a	19	Sb & lb		c. cl.	One of the headachs of the 15th, and the pain o the flomach of the 26th, well; I dyfentery and I fever, marines, added to the lift; 7 in it.
30	812	82 84 84			20	Sb & lb		c. cl.	Sent the fever of the 2Sth, and both yefferday' complaints to the hospital ; 4 in the lift.
31	8 12 8	82 85 84	.dik mi	al encorrecta	21	Sb & lb		c, cl.	The other headach of the 15th, and the dyfenter, of the 26th, well; 2 added to the lift with fever ifh fymptoms. The hypochondria, the remit tent of the 10th, now an ulcer, and this day' complaints, are the 4 in the lift.
Junii 1 Die Mercurii	8	82 84 83			22	Sb **		c. cl.	Two with feverifh fymptoms, I dyfentery, and the old relapfing remitting headach, now become hectick, added to the lift; 8 in it. Some o the fcorbuticks in the hofpital are feized with the dyfentery from being in the fame ward with the dyfenteries
2	8 12 8	83 83 83			23	Sb **		c. cl.	The hectick complaint, and yefterday's dyfenters fent to the hofpital; 6 in the lift.
3	8 12 8	83 83 83			24	Sb **		c. cl.	One foul ulcer, now entered from a Guinea thip, added to the lift; 7 in it. One of the fevering complaints of the 31ft ult, is a dyfentery.
4	812	81 85 84			25	Sb & Ib	4	c. cl.	Sent the dyfentery mentioned yefferday to the hofpital. The marine, a dyfentery fent there the 30th ult. died.
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Y car, Months, and	Days.	Hours.	Thermome- ter.	Latitude or different Parts.	Longitude made.	Moon's age.		Rain or Dew.	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
177 Junii	4 5	8 12 4 8	83 84 85 84	Jamaica		26	Sb **		c. cl.	The other fever of the 1ft, well; 5 in the lift. The people continue to get drunk.
6	S	812	82 85 83		ongo dia selam dell'i dega nella	27	Sb **		c. cl.	The other feverifh complaint of the 31ft, well ; 4 in it,
7		8 2 4 8	83 84 85 84	this age of	and terration	28	Sb **		c. cl.	No alteration in the lift.
8	1	8 2 4 8	83 85 86 84	Loniglym o projet all a	gunni e	29	Sb & Ib	al -2	c. cl.	One diarrhœa from drunkennels added to the lift; 5 in it.
9	1.4	8 2 8	83 85 84	a bas inte h (ind one a	renco antico a E argida yene a	m. a. m.	Sb **		uid p	Yefterday's complaint well ; 4 in the lift.
10	r	2	83 85 86 84	lil'sdr or lod	ta data a	2	Sb **	,d1 ; 2	c, cl.	No alteration in the lift. Some flight drunken complaints, but not in the lift.
41	1	2	83 85 84	Jan edita Anti-		3	- Sb **	23	с.	One feverish complaint well; 3 in lift.
12	I	2	83 85 84	e daga saki ahaal gi ji a ahaa daga sa		4	Sb **			Three in the lift.
3	12	8 8	85	(1994) and a (1994) and a (1994) and a	non s colors benet source in a source	5	Sb **		c. cl. 7	The ulcer of the 3d, fent to the hofpital; 2 in the lift.
14	12	2 2	84	A Albert		-	Sb & lb			No alteration in the lift.
15	8		81 84 82	A AL GRAD			Sb & lb	dia		fwo in the lift.
16	8		2 5 3	in the	Historia na inca	8	Sb & 1b		c. N	lo alteration in the lift.

Year, Months, and Days,	Hours.	Thermome-	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1774 Junii 17	8	83	Jamaica		9	Sb & Ib		c.	The marine catarrhous cough of the 28th of De- cember is become fcorbutick, and fent to the hofpital; he had a very bad fever and continued long weak after it; 2 in the lift.
18	8 12 8	84	and given by		10	Sb & lb	1	с.	One remitting fever fent to fick quarters, he was took ill the 16th, though he did not complain ; 2 in the lift.
19	8	0.		magni	11	Sb & lb		с.	No alteration in the lift.
20	8				12	Sb & lb		с.	No alteration in the lift. It is a little cloudy fometimes.
1	8	83					92.3	1	18 3 - 3
21	8 12 8	81 84 82			13	Sb & lb		c.	One dyfentery complained and was fent to the hofpital. The list continues the fame.
22	8 12 8	81 84 83			14	Sb & lb		c.	One lame complaint, and z with feverish fymp- toms, added to the lift; 4 in it.
23	8 12 8	82 84 83			р. р. т.	Sb & 1b		с.	One headach added to the lift ; 5 in it.
24	8	81 84 82	alter of the	in desperses	16	Sb & 1b		c.	The complaints of the 22d, well; 3 in the lift.
25	8 12 8	81 83 81		ee in the lit	17	Sb & 1b		с.	The headach of the 23d, well; and 1 contusion added to the lift; 3 in it.
26	812	81 84 82	antes de		18	Sb & lb		с.	Yefterday's contusion fent to the hospital, and I wound added to the lift; 3 in it.
27	8 12 8	82 84 83		ni-rangente	19	Sb & lb		c.	No alteration in the lift. Admiral Gayton arrived in His Majefty's Ship Antelope.
28	8 1 2 8	81 84 82		1919 A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.	20	Sb & 1b	- 04	c.	Three in the lift. The remittent fent the 18th, returned well from fick quarters.
29	8 12 8	81 83 83	100		21	Sb & lb	-	с.	No alteration in the lift, One marine, a flux, died at the hofpital,
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different parts.	Longitude made.	Moon's Age	Winds.	Rain and Dew.	Appearances of the At- molphere.	REMARKS, AND STATE OF THE SICK LIST.
naica		22	Sb & 1b	13	с.	Three in the lift. The hypochondria, the ulcer, and the wound of the 26th.
		23	Sb & lb	-	с.	No alteration in the lift.
la palete	anatonisi ay	24	Sb & lb	1.22	c. cl.	One with feverifh fymptoms added to the lift; #
rdabout- galadh	an alt barn an alta	25	Sb & Ib	1	с.	One feverifh complaint from drunkennels, added to the lift; 5 in it.
		26	Sb & lb		c. cl.	The complaint of the 2d, well; and 1 drunken

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nt from drunkennefs, added e 2d, well; and I drunkers feverifh complaint addel to the lift. Sb & lb c. The complaint of the 3d, well; 4 in the lift. No alteration in the lift, A little cloudy at times. Sb & 1b c. Sb & lb c. cl. The complaint of the 4th, well ; 3 in the lift, • • 8z Sb & 1b cl. m. . No alteration in the lift. p. m. One feverifh complaint added to the lift; 4 in it, P. m. the fick people were brought off from the Sb & lb c. hofpital; but the hectick cafe was fo weak, from a dyfentery, that he was left there; 7 in-valids fent from thence on board of us. Sb & 1b c. The ulcer well. Some of the men who came laft night from the hofpital are worfe than when they were fent to it; 9 of them are added to the lift; 12 in it; 1 hypochondria, 1 dyfentery, 1 epilepfy, he was fent a dyfentery the zzd May, 1 valetudinarian flux, 4 feorbutick fluxes, 1 forophula, 1 contufion, 1 wound, and 1 feverifh complaint. The invalids are 1 blind of an eye, 1 gout, 1 with obfructions in the abdomen, from a remitting fever, I headach from an old fracture of the cranium, 1 very large foul ulcer, and 2 valetudinarians, fluxes.

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T. 1e lift; 13 in it.	REMARKS, AND STATE SICK LIST.	At- ere.	-		gc.	- o	or	2	1	1 de
		Appearances of the At- mofphere.	Rain or Dew.	Winds.	Moon's age	Longitude made.	Latitude of different Parte.	Thermome- ter.	Hours.	Months, and Days.
A Constant and a constant of the	One with a naufea added to the lift; 1	cl.		Sb & lb	3		Jamaica	81 85 84	8 12 8	1774 Julii 11
12 in the lift. Six Rodney on board of	Yefterday's complaint well ; 12 in th a. m. failed with Sir Geo. Rodney the Portland.	cl.	•••	Sb **	4		Sailed a.m.	81 84 82	8 12 8	12
the lift; 13 in it,	One lame complaint added to the lift;	cl. c.		f ESE t ENE **	5		Off Jamaica	80 83 83	8 12 8	13
took ill the 21st ult.	One of the fcorbutick fluxes, took ill well; 12 in the lift.	cl. c.	·	f ESE t ENE **	6	from Port Royal 00°45″ W	18° 31″	83 83 83	8 12 8	14
o the lift; 13 in ite	One griped complaint added to the lift	çl. c.	•••	f ESE t ENE **	7		18° 48″	84 84 83	.8 12 8	15
9 9th, well; and a 13 in it.	The feverific complaint of the 9th, w contution added to the lift; 13 in it	c. cl.		f ESE t ENE *	8	from Point Morant 00° 37″ W	18° 18″	83 84 83	8 12 8	.16
took ill the 12th of the complaint of the	One of the foorbutick fluxes, took ill May with the fouryy, and the comp 15th, well; 11 in the lift.	c. cl.		f ESE tENE*** p. m.	9		18° 23″ Navaifa	83 83 83	.8 12 8	17
13th, and the contu- in the lift.	The lame complaint of the 13th, an fion of the 16th; well; 9 in the lif	cl. c.	••	fESE t ENE **	10		18° 44" Cape Do- na Maria	83 83 85 83	8 12 4 8	18
e wound of the 2 cth	One of the feorbutick fluxes, took May with the feurvy, and the wound ult. well; I lame complaint added 8 in it.	cl. c.		fESE tENE **	II		18° 44″	83 84 83	8 12 8	19
es feized with a net- ation in the lift.	One of the holpital foorbuticks feized vous fever. No other alteration in	c. cl.		f ESE t ENE **	12		18° 58″	84 84 85 84	8 12 4 8	20
in the lift, Four of	The marine a fcorbutick flux, and the plaint of the 19th, well; 6 in the l the invalids do fome duty. An ex day.	c. cl.		SSE **	13		19° 31″ Off Cape Nicholas	84 85 87 85	8 12 4 8	21
here is a large town var, with which the	No alteration in the lift, Anchore Portland in the mole. There is a built here, fince the late war, with Americans carry on a great trade.	c,		ENE *	14		19° 55" Cape Nicholas Mole	85 85 84	8 12 8	22
too s t s g g g g g g g g g g g g g g	 One of the foorbutick fluxes, too well; 12 in the lift. One griped complaint added to t The feverifh complaint of the grontufion added to the lift; 1 One of the foorbutick fluxes, to May with the foury, and the 15th, well; 11 in the lift. The lame complaint of the 13 foon of the 16th; well; 9 in One of the foorbutick fluxes, May with the foury, and the use well; 1 lame complaint s in it. One of the hospital foorbuticks vous fever. No other alternation in the lift. The marine a foorbutick flux, plaint of the 19th, well; 6 in the invalids do fome duty, day. No alteration in the lift. Ar Portland in the mole. The built here, fince the late ward 	cl. c. cl. c. c. cl. c. cl. c. cl. c. cl. c. cl. c. cl.	•	t ENE ** f ESE t ENE **	6 7 8 9 10 11 12 13	Royal 00°45″W from Point Morant	Jamaica 18° 31" 18° 31" 18° 48" 18° 48" 18° 23" Navaffa 18° 23" Navaffa 18° 44" Cape Do- na Maria 18° 44" Cape Sa" 19° 51" Off Cape Nicholas 19° 55" Cape Nicholas	83 83 83 83 83 83 83 83 83 83	12 8 8 12 8 12 8 12 8 12 8 12 8 12 8 12 8 12 8 12 8 12 8 12 8 12 8 12 8 12 8 12 8 12 8 12 8 12	14 15 16 17 18 19 20 21

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Months, and Days,	Hours.	Thermome- ter.	Latitude or different parts.	Longitude made.	Moon's age.	Winds.	Rain or Dcw.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
1774 Julii 23	8 1 2 8	83 85 83			15	Sb & lb		с.	The hofpital dyfentery, well ; 5 in the lift. Pretty good water here. Getting fome on board.
24	8 12 4 8	82 84 85 83	onia na kolejin A		р. а. т.	Sb & Ib		c.	One belly-ach added to the lift 3.6 in it.
25	8 12 8	82 84 85	19° 56″		17	f NNE t E *		-c.	Yefterday's complaint well; 5 in it. Sailed with the Portland a. m.
.26	8 12 8	82 83 83	20° 48″ Hifpaniola		18	E **		c. cl.	No alteration in the lift.
27	8 12 8	83 82 82	20° 42″ Heniago		19	fE tNE **		cl.	Five in the llft.
28	8 12 4 8	83 83 84 83	21° 16" Heniago	ann Ite sh	20	f EbS t NE *** a. m.	201	c.∘cl.	No alteration in the lift. I difcovered the contu- fion of the 25th ult. to be a fracture of the head of the os femoris. I was not on board when it happened, and it was never fufpected at the hofpital.
29	8 12 8	83 83 82	22° 29″	from Mayguana 00° 11″ E	21	EbN *		c.	One headach added to the lift; 6 in it.
30	8 12 8	84 84 83	23° 26″	00° 11″ E	22	EPN .*		·C.	Yefterday's headach-well; 5 in the lift,
31	8 12 8	83 83 82	24° 09″	00° 11″ E	23	f EbN t SE *		c.	No alteration in the lift. The hypochondria, the Epilepfy, the nervous fever, the ferophula, and 1 contution, are the 5 in it. Four of the invalids do fome duty.
Aug. 1 Die Lunæ	8128	83 83 83	25° 31″	00° 41″ E	24	f SE t SSE **		c. cl.	No alteration in the lift,
2	8128	83 83 83	26° 51"	02° 25″ E	25	f SE t SSE **		c. cl.	Five in the lift. A little cloudy at times, and very warm.
3	8 12 8	83 83 82	27° 51"	03° 45″ E	26	fSEbE tSbE **		c. cl.	Five in the lift.
+	8	83 83 82	28° 43"	05° 10" E	27	f SEbE t SbE **		c. cl.	The lift continues the fame,

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	Year, Months, and Days.	Hours.	Thermome- ter.	Latitude or different pares.	Lengitude niade.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.
	1774 Aug. 5	8	82	29° 42'	06° 54″ E	28	f WNW t SbW *		cl.	No alteration in the lift.
	6	8	10-	30° 33 ⁴	08° 12″ E	29.	f SSE t WSW **		cl. c.	One contusion added to the lift; 6 in it.
	7	8 12 8	80 81 80	31° 39″	from Mayguana 10° 16" E	m. m.	f SbE t WSW **	12.8	c. cl.	One remitting fever, an old complaint, and 1 thes umatifm, added to the lift; 8 in it.
ĺ	8	8 12 8	81 81 81	32° 09"	12° 04″ E	2	f SSW t SbE *		с.	No alteration in the lift.
-	9	8	18 18 08	33° 13″	12° 34″ E	3	f EbS t SEbE *		c.	The contusion of the 6th, well ; 7 in the lift.
-	10	8 12 8	81 80 81	34° 25″	13° 19″ E	4	f ESE t S *		c.	No alteration in the lift.
1	11	8	81 81 82	35° 19″	14° 43″ E	5	t SW **		с.	One old cough, added to the lift with feverily fymptoms; S in it.
-	12	8	81 80 80	36° 09"	16° 54" E	6	SW **		c. cl.	No alteration in the lift.
-	13	8 8 2	81 80 80	37° 15″	18° 58″ E	7	fSW tWSW **	715	с.	Eight in the lift.
-	14	8	80 80 80 79	38° 16″	22° 02″ E		f WSW NW **		с.	The nervous fever, well, and 1 with gripes added to the lift; 8 in it. Only 3 of the invalids do duty.
-	15	8	79 79 79 80	3 ^{8°} 3 ^{8″}	24° 03″ E		f WSW NW **		c. cl.	No alteration in the lift.
-	16	8	76 74 75	39° 22″	27°.32″ E	10	f NW t NNW **	·	c. cl.	The remittent of the 7th, and the griped com- plaint of the 14th, well; 2 contufions added to the lift; 8 in it.
-	17	8 2 8	73 70 73	39° 46″	31° 13″ E	11	f N t NNW **		c. cl.	The complaint of the 11th, well; and 1 headach added to the lift; S in it, Cold weather.

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Year, Months, and Days.	Hours.	Thermome- ter,	Lat	Longitude made.	Moon's age.	Winds.	Rain or Dew.	Appearances of the Atmofphere,	REMARKS, AND STATE OF THE SICK LIST.		
1774 Aug. 18	8	73 73 75	40° 36″	from Mayguana 34° 36″ E	12	f N t NWbN		c. cl.	One wound added to the lift; 9 in it.		
19	8 12 8	74 72 74	41° 25"	37° 20″ E	13	f N t NWbN **		c. cl.	One of the contumions of the 16th, and the head- ach of the 17th, well; I rheumatifm added to the lift; 8 in it.		
20	8	74 74 73	43° 13″	40° 27" E	14	f WSW t WNW **	•	cl.	No alteration in the lift.		
21	8 12 8	72 72 72	44° 19″ R.	42° 20″ E	р. р. т.	f SSE t EbS *	•••	cl. h.	Eight in the lift. Difagreeable weather.		
22	. 8 12 8	71 71 71	45° 33″ R.	43° 23″ E	16	SEbS **	·	cl. h.	No alteration in the lift,		
23	8 12 8	71 69 70	46° 38″	45° 42″ E	17	v *	••	c. h.	Eight in the liff.		
24	8 12 8	67 66 66	47° 20″ R.	48° 13″ E	18	f WbS t NbW **	·	cl.h.	The other contusion of the 16th, well; and 2 ad- ded to the lift with the rheumatism; 9 in it.		
25	8 12 8	65 65 64	48° 50″	52°.16" E	19	f NW t WNW **	·	-cl.	One intermittent added to the lift, he formerly had -a remittent fever; 10 in the lift.		
26	8. 12 4 8	62 62 65 63	49° #8″	56° 47″ E	20	f NW t WNW ***	•	cl. c.	No alteration in the lift.		
27	8 12 4 8	61 63 66 64	49° 22"	61° 10″ E	21	f NWbW t WSW ***	•	cl.	The z rheumatisms of the 24th, well; 8 in the lift.		
28	8 12 4 8	61 62 65 63	49° 28″	65° 28" E	22	WNW	•	cl.	The rheumatifm of the 6th, well; 7 in the lift, Very cold.		
29	8	61 62 63	a.m. Lands end		23	f NNW t SW **	•	cl.	The intermittent of the 25th, well; 6 in the liff.		

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1	Months, and Days.	Hours.	Thermome- ter	Latitude or different parts.	Longitude made.	Moon's Age	Winds,	Rain and Dew.	Appearances of the At- mofphere.	REMARKS, AND STATE OF THE SICK LIST.	
-	1774 Aug. 30	8	64 65 65	49°-07″		24	W ****	•	cl. h.	One icald, I rheumatifm, and I contufion added to the lift; 9 in it.	
+	31	8	63 66 65	10 a.m. Spithead	Ţ	25	W ***	1 4 4 9	cl. h.	One cold added to the lift; to in it.	
	ept. 1 Die Veneris	8128	64 67 66			26	W	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	cl.h.	Sent the epilepfy, the fcrophulous arm, the frac- tured as femaric, and the 7 invalids, to the hof- pital. The hypochondria to go to fick quarters. Remain in the fick lift, the wound of the 18th, the rheumatifm of the 19th, the complaints of the 30th, and 31ft ult.	
	in the second			,8% == 1,	10000					THE END OF THE METEOROLOGICAL JOURNAL.	
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The Monthly Review of the Sick Lift.

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CHAPTER I.

REVIEW OF THE SICK LIST, WITH PRACTICAL OBSERVATIONS' FROM THE 30th OF DECEMBER 1771, TO THE 26th OF AUGUST 1772.

IN the following review of the fick lift it is to be observed, 1st, That an account of the flate of the weather is purpofely omitted to avoid repetitions, as that is already fet forth at length in the meteorological journal; whereto every perfon will naturally I suppose have recourse. 2dly, That when any difeafe changed to another, the patient is re-entered upon the fick lift under the laft, as if he had been a fresh patient: which is to be remembered likewife in reading the remarks on the flate of the fick lift in the journal; and at the fame time the two following observations must then be remembered. 3dly, That all flight fevers, coughs or indifpolitions which occured in a cold climate, are generally termed colds. 4thly, That all flight fevers, headachs, nausex, and diarrhex which occurred in a hot climate, are frequently called bilious complaints, or indifpolitions.

DECEMBER and JANUARY, 1771-2.

The complaints that were in the fick lift when we failed, proceeded chiefly from drunkennefs; their lying about the decks afterwards and fleeping in their clothes : confequently were attended with quick and full pulfes, headachs and thirst; which were carried off by moderate bleeding, vomits, purges, the faline mixture, fee p. 17. or from five and twenty to forty drops of Huxham's effence of antimony, given evening and morning with fage tea or barley water for drink, and

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and abstinence from falt meat.

When a cough attended the fever, a spermaceti or oily mixture was prefcribed, after evacuations had been made.

The contufions, unless they were violent-when it became necessary to use evacuations at first-were cured by epithems, fuch as oxycrate, ol. terebinth, linim. fapon. fp. vin. rect. camph. and compresses and bandages.

With refpect to the observations on the method in which I prescribed for the theumatifin, they are fubjoined to the monthly review.

We had no fooner got into a hot climate than bilious complaints made their appearance, which shall be taken notice of next month.

The number on the fick lift varied frequently, but decreafed towards the end of the month. The difeafes were eleven colds with flight fevers, pains and coughs, five bilious indifpofitions, two rheumatifms, three contufions, and one ulcer.

FEBRUARY 1772.

It is worthy of observation, that when we anchored on the 2d of the month in Praya Bay, in the Ifland of St. Jago, there was only one patient with an ulcer in the fick lift; that a remitting fever made its appearance that very night-the fentinel posted over the water upon the booms having been taken ill of a bad fever then, and that two more were taken ill the day following with the fame fever; after which the fick lift increafed daily with bilious and remitting complaints. Whether those men were actually infected from our being to near to the fickly Dutch East India ship or not, I cannot positively fay, although I am inclined to think that they were, for two reasons, First, because the mialma of infectious difeafes are wafted by winds to a much greater diftance from cifeafed bodies, than there was between the fickly Dutch fhip, and ours. Second, because a number of the officers and seamen of the Rainbow, perceived at particular times, when they were looking towards the Dutch ship, a very difagreeable imell. It was farther observed, that that circumstance occured when either our own, or the Dutch Ship veered with the wind, in fuch a manner, as that our thip was to the leeward of her.

Our men had no communication with them, that having been carefully prevented by Captain Collingwood's particular directions. Whether it be doubtful or not, that the men were infected from our lying fo close to that fickly thip, the caution of changing a healthy thip's birth, when they find themfelves near to fo dangerous a neighbour, will most probably compensate for the trouble of getting the anchor up again, and moving to a greater diftance from her.

The lancet was cautioufly used in curing the fever. Gentle emetics, and cathartics, the faline mixture and antimonials, cooling and fubacid drink-See

page

page 17 and 18—and the bark with very light diet, reftored them to health. * Some of the flighteft cafes were cured as the bilious complaints, with an emetic of the tart. emetic. a dofe of falts the day after; Huxham's effence of antimony given twice a day; drink acidulated most commonly with lime juice or 'tamarinds; an abstemious diet—fee part IV. chap. 1. end of § 5. the elixir vitr. afterwards, forenoon and afternoon, to brace up their relaxed stomachs. The patients with the diarrhϾ, took 15 grains of ipecacoan. to vomit them. The other complaints were very easily carried off.

We had hardly got over this fever, before another commenced amongst the men, who were the watering party at Sierra Leon. The fituation they lay in ashore, I have already described. It likewise appears from the journal-begun at February 27th, 1772-that none of the ship's company, besides those men and a man that came from a merchant ship, were seized with that sever. I therefore think it cannot admit of a doubt, that their lying albore was the sole cause of their sickness, which shall be spoken more of at large in next month's review.

The fick lift increased until the 15th day of the month, decreased until the 19th, and afterwards increased. The patients were 6 remitting fevers, 12 flight fevers, 2 diarrheae, 1 nausea, 1 belly-ach, 2 with eruptions, 1 cough, 1 with a deafness, 1 contusion, and 1 lame.

MARCH 1772.

The fick lift varied frequently, but rather increased to the 25th of the month, and then decreased. The diseases were 6 remitting fevers, 7 flight fevers, 4 headachs, 4 belly-achs, 3 diarrheez, 1 nausea, 1 erysipelas 1 piles, 2 absceffes, 1 guinea worm, and 1 lame patient.

The remitting fever of this month was of a much more malignant nature than that at St. Jago. The paroxyfins were longer, the fymptoms more violent, and the remiffions lefs diffinct. I was obliged to give either wine, tinct. cort. peruv. or tinct. theb. along with the bark, to enable the flomach to retain it; and to apply blifters. Two patients only were bled; the man who came from the merchant fhip, and a marine, who I learned was fubject to maniacal complaints. Excepting this man, no perfon who had the remitting fever, hitherto bore that operation well, or feemed to receive any benefit from it; though all of them but one marine recovered within the month. See part IV. chap. I. § 6.

The belly-achs were cured by repeated purges of the common purging falts, demulcent drink, thin rice or water gruel, and barley water, and imall doles of opium.

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· See the two first cafes of the remitting fever, Part IV. chap. 1. § 6.

The eryfipelas (the patient who came from a merchant fhip) was cured by fomentations, cataplaims, and fuch medicines as relieved the bilious complaints. Those feemed to proceed from the heat of the climate, their cating plenty of fresh fish, green plantains and bananas, and new fiery spirits which the blacks fold them. They were cured as those of last month.

APRIL, 1772.

This month was yet more remarkable than any of the former, for remitting fevers; and what deferves particular attention concerning them, is, that except one patient, they attacked those men only, who slept ashore at St. Thomas' island; the night of the great Tornado.—See the journal, page 33.—In feveral patients, the fever was far more malignant than it was in any of the preceding months. The paroxysms being extremely violent; and the remissions very imperfect, and of short duration. The fever assumed different types in every period. The fear of their dying, and their despondency were particularly diftreffing.

In curing it, not a man was let blood of—See part IV. chap. 1. § 6. cafe 7. Bilious indifpositions were numerous, and commenced with great violence in feveral patients. However, they all terminated favourably in a few days, by the fimple method already mentioned, page 96 and 97.

The afthmatic patient had been long ill, and came on board from the Weafel, purpofely to be longer in a warm climate. He had an habitual ague too, which the bark always carried off, after a vomit and purge were administered. None of the other complaints were difficult to remove.

The fick lift varied frequently in number. At the end of the month it was much increased. The patients were 10 remitting fevers, 4 flight fevers, 9 headachs, 2 nauseæ, 5 diarrhææ, 1 belly-ach, 2 from a suppressed perspiration, 1 asthma, 1 cough, 3 contusions, 1 guinea worm, and 1 lame.

MAY, 1772.

In the beginning of the month we continued to feel the unhappy effects of the people's having flep afhore at the ifland of St. Thomas, a number of them being feized with the fever. It is fomewhat remarkable that none of the officers who lay afhore that night had fevers, notwithstanding there was no apparent material difference in their fituations. For though they were in different parts of the house, they all had large wood fires. Some of them indeed had bilious complaints, and were much afraid of being taken with the fever.

I perfifted in the fame method of curing the fever which I had followed hitherto, and fortunately all the patients recovered but one, who died the 5th of the month, on the 7th day of his illnefs. He did not fleep afhore, but was much exposed to the fun in a boat for fome days at that island. His fever never remitted, remitted, and he was remarkably opprefied with fear from the moment he was feized. See the first anomalous case, part IV. ch. 1. § 3. I tried moderate evacuations repeatedly; the faline mixture with antimonials, the pediluvium, camphor, contrayerva, and blifters. I did not administer the bark, although I wish that I had done it, notwithstanding the fever did not remit; and though there never appeared any indication of fuch imminent danger, far less of such a speedy and fatal termination of it.

About the letter end of the month, feveral men who had been very ill of the fever, relapfed after we got into the NE trade. See the journal, page 36 and 37. where I have ftiled those relapses, intermittents, because there were real intermissions between the paroxysins. The fever was in fact the same as that which they had had before, with the difference, that it only appeared now in a milder form. After administering an emetic and a purge, it was soon carried off by the bark.

The number on the fick lift varied feveral times, but decreafed greatly towards the end of the month. The difeafes in all were 4 remitting fevers, 4 relapfed fevers, 5 flight fevers, 1 head-ach, 1 naufea, 2 coughs, 1 afthma, and 1 hæmorrhoids.

JUNE, 1772.

The direful confequence of that abominable practice, which feamen always have of injuring their conftitutions, by getting drunk as often as they are able to get any thing that will make them fo; and their particular fondnefs of new fpirits, we here experienced. See the journal. Thus fatally bent they are upon their own destruction, notwithstanding the pain also of the punishment which they are fure to fuffer for their drunken riots. Some of the weakest of the convalescents from the fever likewife continued to relapse, a few of whom were fent to the hospital for the benefit of fresh diet, as the ship's company were allowed fresh beef only once a week. One man was killed by a fall from the main top maft head, upon the quarter deck. No wound appeared about him, but in one of his legs, which was broke in two places. He breathed only a few minutes, though a vein was opened in each arm, and every method taken to reftore his fenfes. None of the other accidents were dangerous. They were cured after the fame manner as the contusions, page 96. Common dreflings were applied to the wound. I prefcribed for the bilious patients, as in the month of February, page 97. The observations on ulcers in general are fubjoined to the monthly review.

The fick lift rather increased all the month; the complaints of which were 1 remitting fever, 1 relapsed fever, 10 flight fevers; 3 headachs, 4 diarrhææ, 1 belly-ach, 1 suppressed perspiration, 1 erysipelas, 1 old asthma, 1 rheumatism,

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1 lumbago

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1 lumbago, 7 contusions, 1 wound, 1 fracture, 1 inflammation, 1 ulcer, and 2 lame. The fracture was the man who was killed by the fall.

JULY, 1772.

The peraicious effects of the new rum were fill manifelt amongst the people; happily for them we failed early in the month from Jamaica, and of all the bilious complaints one only, who was a hard drinker, became a remitting fever. I preferibed for them as for fimilar cafes in the preceding months. The Guinea worm which broke, formed a large abfects, and became very troublefome, though great care was taken of it. A garlick poultice is efteemed the best application, on the coast of Africa, for extracting the worm, both before and after it is broke. Before that accident happens, the poultice certainly facilitates a more speedy extraction of the worm; but afterwards, it feems to posses a more speedy extraction of the worm; but afterwards, it feems to posses the worm, from the inflammation, besides the trouble of dreffing the parts afterwards, ought to inculcate great care to guard against pulling it out rashly; for the part is very easily healed up, if the worm be got out entire. Of the Hæmoptofis, particular notice shall be taken next month.

The fick lift varied frequently in number. At the end of the month it was much decreased. All the diseases were 1 remitting fever, 5 slight fevers, 2 naufeze, 1 diarrhæa, 1 hæmoptofis, 1 cough, 1 rheumatism, 1 contusion, 2 inflammations, and 1 Guinea worm.

AUGUST, 1772.

Fewer men complained this, than in any month of the voyage. Three only were added to the fick lift before the 10th, viz. a fever, a cough, and a furuncle. The weather beginning then to be very cold, especially to them who were ill provided for it, from having fold their clothes in the West Indies for rum; most of such men were confequently seifed with feverish symptoms, from the perspiration being suppressed. These complaints were soon carried off by moderate evacuations, and supplying them with clothes. The other patients were mostly foon recovered by the methods before mentioned.

The fever which was added to the fick lift, the first day of the month, was anomalous, and died the 13th. He had been long drooping, and had not eat his victuals regularly. For a particular account of the cafe, fee part IV. ch. 1. § 3. Repeated evacuations, antimonials, doctor James's fever powder, camphor, tinct. ferp. virg. pulv. contrayerv. co. confect. cordiac. wine and blifters, were tried with drink.

The hæmoptofis died the 2d of the month, of the ninth fevere paroxyfm of his illnefs. He was about fourteen years of age, very weakly, and was fubject to a cough, with complaints in his breaft from an old hurt. The hæmoptofis

began

began with a fit of coughing. In the first paroxysms large quantities of black and grumous blood was thrown up; but it became gradually thinner, florid, and spumous. The stool which he had after the first paroxysm, was somewhat bloody. His stools and urine contained very little or no blood ever after; and in the intermissions he spit up very little with his cough. From his being at first seized he became much dejected, and had always a degree of sever upon him. During the time of his vomiting he found great pain in his breass, and never complained of any pain in it at any other time; nor could he ever tell before hand that a fit was coming on. The night before he died, he was feized with an acute pain over one of his eyes, of which he was blind, but did not continue long. His appetite never failed him, and he flept very well all the time he was bad, unless a paroxysm happened in the night.

By venefection repeated in fmall quantities, gentle purges, refrigerating and aftringent medicines, and an abstemious diet, there was at one time a deceitful appearance of his getting better.

When the fhip arrived at Spithead the 26th of the month, there was only one patient, a rheumatifm, in the fick lift; fo that it rather decreafed all the month. In all there were added to the fick lift, 1 remitting fever, 10 flight fevers, 2 headachs, 2 coughs, 1 rheumatifm, 2 contufions, 1 inflammation, and 1 abfects.

During the voyage, two patients with anomalous fevers, one with an hæmoptofis, and one by an accident, died.

I think it well worthy of observation, that of all the remitting fevers that happened in the voyage, not one hepatick complaint enfued; which is a fufficient encomium on the bark, as a cure for those fevers.

CHAPTER II.

REVIEW OF THE SICK LIST, WITH PRACTCAL OBSERVATIONS FROM THE 30th of November 1772, to the 24th of August, 1773.

DECEMBER, 1772.

WHEN we left England, there was a number of complaints in the fick lift, which chiefly proceeded from intemperance before we failed; nor did the effects thereof cease before the end of the month.

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I ought to have first observed, that while the ship continued in England the ship's company was generally healthy, notwithstanding all their irregularities. In the latter end of October, three men were sent to the hospital with very bad fevers. The headach attending them was violent, and a delirium came on very early, with a languid pulse. 5 fevers, 2 scurvies, I headach, I cough, I weak, I rheumatisin, I suffusion, II Ulcers, I wound, and I lame, were sent to the hospital in that time.

The change of climate made very little alteration on the people's health all the month, as appears in the journal: Therefore as the colds proceeded from drunkennefs, and occurred early in the month, they bore the letting blood to advantage; which together with emetics, cathartics, gentle diaphoretics, abstinence from falt provisions, and diluting drinks, foon removed them. See page 95.

The remitting fever was accompanied with a very bad cough; and as the fymptoms indicated a neceffity for it, I took away fome blood twice, and then followed the method of cure as mentioned in page 97. He recovered in fixteen days.

The intermittent was eafily cured by a vomit, a purge, and the bark, though he had often relapfed with eafterly winds. He was a brown Creole, and had a very bad remitting fever the preceding voyage, from lying afhore at the ifland of St. Thomas, fee part IV. ch. 1. § 6.

The quinfey and parotis were carried off by the fame means as the colds. The fore throat proceeded from a venereal caufe. After proper applications were made to the fractured clavicle, the patient was treated as one of the colds. Purges and an abstemious diet cured the eruptions.

The chirurgical patients were managed as fimilar cafes on the preceding voyage. The fick lift varied frequently in number. At the end of the month it contained only two patients; they were in all, I remitting fever, I intermitting fever, I flight fever, 7 colds with feverifh fymptoms, 2 naufeæ, 3 coughs, I quinfey, I fore throat, I parotis, I with eruptions, I fracture of a claviculæ, 2 contufions, I wound, I fcald, I old guinea worm, I ulcer, and I lame.

Spruce beer was begun to be ferved to the ship's company on the 17th of the month.

ANUARY, 1773.

Notwithstanding this month was much hotter than February last, when we wereat Sierra Leon the preceding voyage, we had fewer, though a greater variety of patients. The fick list varied frequently in number, and began to increase towards the end.

Two remitting fevers occurred, one of which was flight, the other was a healthy young man that had never been in a hot climate before. Though he

was

was bad, and continued a confiderable time very weak after his fever, from having a reluctancy to take a proper quantity of bark; there was nothing fingular in his cafe. I prefcribed for him as for the fevers of the former voyage; and in like manner for all the bilious complaints, which foon recovered.

The fore throat and other inflammatory ailments were cured as those of January last, see page 95 and 96. It is to be observed that they occurred before the thermometer got high.

The gouty patient was indebted to nature alone for the termination of the fit, by a free perspiration of the affected part.

They were much afflicted with bilious complaints, and had feveral remitting fevers this month on board of the Difpatch, which most probably proceeded, in part, from their use of the cold bath as often as they had an opportunity after we got to Teneriff. Inftead of its relaxing the pores of their fkins, and thereby promoting a free perfpiration, as they poffibly expected it would do, it naturally produced a contrary effect. They had, in a manner just left Engtand in the winter feafon, with their fkins, comparatively fpeaking, as dry and tenfe as a piece of parchment, and with ftrong healthful habits; confequently they ftood in no need of a cold bath to brace them more up. I know that in a relaxed habit, when the peripiration is suppressed, or too little in quantity, the cold bath will increase it by ftrenghing the whole fystem, but furely their habits The cold bath to them who have been a confiderable were not in that flate. time in a hot climate, muft, generally fpeaking, be highly beneficial, for obvious reasons; and it is absolutely necessary at times, in any climate, for the fake of cleanlinefs, as well as medicinal purpofes: but if people, who are not acquainted with phyfick, go from northern latitudes, in the winter efpecially, to a hot climate, and want to promote a free perfpiration by bathing, immediately upon entering into fuch a climate, they fhould use a moderately warm bath, which will foon relax the rigid fibres of the fkin, open the pores thereof, and encreafe the perfpiration. By this method they would obtain their end: however, I am far from being of opinion that it would be a judicious practice, and therefore forbid it.

The best general preparatives for a change of climate, which I know of, are temperance, and moderate exercise. Evacuations are necessary in some habits, especially blood letting, but those are few compared to the number who do not require them, or may be injured by them.

To return from this digreffion. There were in all added this month to the fick lift, 2 remitting fevers, 3 flight fevers, 4 naufeæ, 1 headach, 1 gout, 1 fore throat, 1 opthalmia, 1 ftrain, 1 contufion, 2 inflammations, 2 abfceffes, 1 guinea worm, and 4 lame patients.

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FEBRUARY, 1773.

The people were remarkably healthy notwithstanding the great number who were employed in wooding and watering the ship. None of them shore affore it is true; but I may, with propriety I think, venture to attribute their entirely escaping sickness in those duties, to the tincture of bark having been administered to every man regularly before they were fent assored in the morning. What principally induced me to make trial of that medicine, as a preventive from fevers, was from recollecting the great benefit which they who shept assored at the Island of St. Thomas, the preceding voyage, found from taking only a single dose thereof next morning; it, as they themfelves told me, having put new life in them. See the postcript, fection 1.

One half of the few difeafes of this month, proceeded from the men's drinking of new fiery fpirits, which they got from the black people at Cape Coaft: the belly-ach too, and the naufeæ of last month, most probably were owing to their eating plenty of fresh fish, unripe plantains, bananas, and what new spirits they drank at Sierra Leon, together with the heat of the climate. I preferibed for them all as in former similar cafes.

The fick lift rather decreased, all the patients were four flight fevers, 2 headachs, 1 belly-ach, 2 rheumatisms, 1 with eruptions, 1 contusion, and 1 inflammation.

MARCH, 1773.

The men continued amazingly healthy all this month, if we confider how great the heat was until the middle thereof; the prodigious quantity of rain which fell, the frequent calms, and the very heavy dews in the nights. Towards the end, the fick lift began to encrease; there were added to it in all, 2 remitting fevers, I flight fever, 3 nauser, I cold, I cough, I asthma, I fore throat, 2 rheumatisms, I nephritis, I wound, and I lame.

One of the remitting fevers was flight, the other was very bad, fee part iv. § 6. cafe 13. I prefcribed for them as I did for the fevers of the former voyage; and in like manner for all the other patients. One of the naufeæ was an old man, who was fpared to a merchant fhip at Sierra Leon the preceding voyage, but was purpofely left behind there, by the wretch who commanded her, when he failed. As foon as we arrived in the river, he came on board and told his flory, and that he had been obliged to the natives for a bare fubfiftence. In his countenance both famine and difeafe were ftrongly elepicted. I immediately took him under my care; and after a gentle emetick and purge, I gave him four ounces of a wine tincture of bark, twice a day; ftrictly prohibiting him for a long time from falt meat; and interpofing as I thought fit, both the emetick and the purge. He was afflicted only with very flight indifpofitions; and was very well when he left us in May, in the Weft Indies.

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The fpruce beer being all expended, wine was begun to be ferved to the fhip's company on the 8th of the month. Was fpruce beer well fermented in hot climates; and if the feamen had always moderate labour there; I believe it would be a very falutary drink for them. The former was feldom the cafe on board the Rainbow, though the latter was during the greatest part of the time it was ferved. They who were employed on hard work, cutting the wood, had half a pint of rum, or a pint of wine every man, befides their beer and tincture of bark every morning.

APRIL, 1773.

There was little alteration in the fick lift, before the 15th of the month. The weather then becoming cold, a few feverifh complaints, fome rheumatifms, and fcorbutic fymptoms made their appearance; fo that at the latter end it was confiderably increased. Two of the feverifh patients became remitting fevers; in one of whom figns of the fcurvy made their appearance, as foon as he got over his fever. 2 Remitting fevers, 4 flight fevers, 3 headachs, 1 belly-ach, 4 rheumatifms, 1 opthalmia, and 2 fcorbutic ulcers, were all the difeafes.

With refpect to the fcorbutic cafes, I judged wine proper for them, which I did not allow to the other patients. I gave them all the quantity, * with bark and elixir of vitriol; taking care likewife to promote the cuticular, and urinary difcharges, as well as to keep their bodies open with lenitive purges. The ulcers were properly dreffed too, as often as it feemed neceffary.

Though that method did not cure them, they were much relieved by it. When we arrived at Antigua and St. Kitts, we could neither get fruit, vegetables, nor any fresh provisions: a violent hurricane which they had had there not long before, having destroyed every thing, both in their gardens and fields. I was therefore obliged to perfist in my own method with them.

The other patients were treated as fuch cafes were in former months.

MAY, 1773.

This proved the most unhealthy month we had hitherto had, notwithftanding that very few except foorbutic patients were added to the fick lift before the 18th, when the dyfentery made its appearance. In all there were added to the fick lift, 4 remitting fevers, 1 intermitting fever, 11 flight fevers, 4 naufeæ, 1 headach, 21 dyfenteries, fome of them mild, 2 diarrhææ, 9 fourvies, 1 with eruptions, 6 contufions, and 1 lame.

The bilious indifpolitions and lame patients were the confequence of immoderate drinking, and were cured as in former months. The remitting fevers, and

* Here is meant all their allowance, which was a pint daily.

and chiefly all the dyfenteries, I fent to the hofpital. Some of the latter recovered on board by evacuations, opiates, and a very light diet. Such were indebted to good conflitutions, and a favourable attack of the difeafe, for their speedy recovery; as it undoubtedly was the fame difeafe with them all. By evacuations here I mean emetics and cathartics only, for not a man was bled. See part IV. § 5. With regard to the method which I followed in the cure, I fhall briefly infert it at the end of the review of June.

As this month made fuch a remarkable change in the health of the people, particularly of the marines, to whom the dyfentery proved to be moft fatal, it may be worth while to enquire what were the remote, or procatartick, as well as the proximate, or exciting caufes thereof. An enquiry into these caufes feems to be the more neceffary, becaufe all the other fhips' companies at Port Royal were healthy; and becaufe there was not a fluxed patient at the hospital before our men were fent to it; where it foon spread amongst our fcorbutic people, from their being together in the fame wards. I cannot suppose that there was a particular tendency in the constitution of the air, to produce the dyfentery on board of the Rainbow, more than any of the other ships which were lying near to us. This enquiry I apprehend, may therefore be made by the following queries—Should they not feem to comprehend the real caufe of the rife of the flux, as well as of the other difeases? I leave it to every perfon to form his own opinion concerning it.

Though we continued very healthy during the great heat, the very heavy rains, the exceeding denfe and moift atmosphere, and very frequent calms of March; and likewife during the month of April, though we had very light winds, and a clouded atmosphere in the first part; and a very cold trade wind in the latter part thereof—Were those circumstances, together with our long passage from Cape Coast to Jamaica, upon which the men had neither fresh meat, vegetables, nor fruit, but often in shortning fail, were exposed to fcorching heats, deluges of rain, and very cold winds: I fay, were all those concurring circumstances sufficient to form the remote, or procatartick cause of the fcurvy appearing in the end of April; and of the dysentery in the end of May? Were the immoderate use of vegetables, of fruit, of new fiery spirits, brackish water, which we unfortunately got on board for some time, though there is plenty of very good water there, and the very hot weather at Jamaica, sufficient to form the proximate or exciting cause of those diseases, particularly the flux?

By the bye, the fubject of the former query, that regards the weather, ought to caution others from ever attempting to make their paffage from the gold coaft, to any part of the Weft Indies, or Europe, without going to the fouthward of the equator. The advantage arifing from making our paffage in that manner, the first and last voyage, appears very evidently in the journal.

With

With respect to a possibility to have prevented the dysentery from being either so epidemical, or fatal as it was, I beg leave to state two more queries.

As the dyfentery did not make its appearance until a week after we arrived at Jamaica—in which time, it was poffible to have got the fhip refitted for fea; and the men could have fupplied themfelves with plenty of vegetables, and fruit; and a fufficient quantity of fugar and coffee, to have ferved them on the paffage to England *—Would it not in all human probability have been prevented from becoming either fo general, or fatal, if we had failed from thence in eight or ten days time?

But as the ship was detained there so long, would it not have been the means of repairing, in some measure, the injury which the men's health suftained on the former part of the voyage, to have allowed the ship's company fresh meat every day, and most probably of rendering the flux less epidemick, and malignant?

However, the Admiral did not think proper to grant either of the applications which were made to him by Captain Collingwood, on both those heads.

His Majefty's fhip Phœnix, after having one year made a very long paffage from the coaft of Africa to Jamaica, and being detained there longer than ufual, the men, though they were healthy when the fhip arrived; were feized with a very bad fever, which every one fuppofed would not have happened, had fhe been fent away foon from thence, after her arrival: and that the fever would have proved lefs malignant, if they had been fent home as foon as it made its appearance; and, likewife lefs epidemick. Unlefs therefore his Majefty's fervice abfolutely requires the contrary, the fhip that has been upon the coaft of Guinea, fhould be refitted as fpeedily as poffible, when fhe puts in at Jamaica, and fent home to England.

JUNE, 1773.

The dyfentery still continued to rage amongs the people, attacking young and old; but none of the officers was feized with it. However, this is not much to be wondered at, if it is confidered that they lived better in every respect, and were not near so much exposed to the many hardships which are comprehended in the first query of the preceding month, as the people were: nor did they afterwards run into the extremes mentioned in the fecond query, as those thoughtless creatures did.

The attendants of the fick were all taken ill with it. Many of the patients relapfed who were fent from the hofpital as recovered. They who remained on board, efcaped better than them who were at the hofpital; though fome of them also relapfed. Four men died of it ashore, and several of the nine that came

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* Though all feamen are not fo provident as to do fo-many of them are.

on board from thence, very weak. Six of the ten who died in all, were marines.

I cannot help lamenting the fate of the weak hofpital fluxes, and fome of the other patients, who feemed to fuffer merely from our anchoring at Blue Field's. They all feemingly were recovering; but our fituation there, as was obferved in the Journal, page 63, produced an immediate alteration amongft them for the worfe. The perfpiration being thereby greatly obftructed, fell confequently upon the already very weak and relaxed inteffines, which increafed the flux; and re-excited the inflammation that foon terminated in death by a mortification of the rectum.

The black, putrid, and highly offenfive ftool or two, which the patient generally voids before death, is an undoubted mark of a mortification's having taken place in the rectum; which they have always found to be the cafe, who have examined the bodies of them who died of the dyfentery. But diffections not being practifed on board of his Majefty's fhips, unlefs on fome extraordinary occafion, I can fay nothing from my own obfervation of the morbid appearance of the inteftines of thofe who died. I fhall therefore beg leave to refer them who are defirous of fuch information, to Sir John Pringle's Obfervations on the Difeafes of the Army, page 237; and Cleghorn, on the Difeafes of Minorca, page 246. Such an examination of the dead bodies on board of a fhip, would indeed, not only be attended with much inconvenience; but would likewife occafion much difcontent, and murmuring amongft. the people, how beneficial foever it might afterwards prove to them.

I generally began the cure of the dyfentery, by giving fifteen grains of Ipecacoan in powder; fometimes, I only gave five or fix grains, and repeated that quantity two or three times, which was wrought off with warm water. The day after, I ordered an ounce of the common purging falts, with manna or coarfe brown fugar, most commonly the latter; or from half a drachm to two fcruples of rhubarb, fometimes with nutmeg, and at other times, with two grains of Calomel. The vomit and purge were afterwards repeated as circumftances required, with an opiate every night from their first complaining, and plenty of demulcent drink—either thin water, or rice gruel, barely water, and the white decoction; fometimes water and a toast in it only. When the cafe was favourable, this fimple method performed the cure.

But when the difeafe was violent, and the patients were thereby much reduced in the beginning of their illnefs, as they who came from Port Royal hofpital were, the flux, violent gripes, with a painful tenefmus, became very obftinate, and the cure exceedingly difficult. Emollient fomentations for the abdomen, emollient and anticephalick clyfters, befides internal medicines, and a farinaceous diet, were, I am forry to fay it, too often unfuccefsful. See part IV. chap. II. fections 5 and 6.

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The cure of the remitting fevers, which were not fent to the hospital, and of the bilious complaints, was effected by the method I have already laid down in the former voyage's review. The hæmorrhage was carried off by taking away fome blood, gentle purges, and a temperate regimen. An account of the vomica fhall be inferted in next month's review.

All the difeafes of June were 24 dyfenteries, 1 diarhœa, 2 remitting fevers, 1 of which was mild, 10 flight fevers, 1 cough, 1 yomica, 1 fore throat, 1 hæntorrhage, 1 fcurvy, 3 rheumatifms, 1 mufcular pain of the fide, 1 ftrain, 1 contufion, and 2 lame.

JULY, 1773.

Though the dyfentery was in its decline, a few very bad cafes happened this month. Two marines died of it: one of whom was at Port Royal hofpital, the other was added to the fick lift in June. He feemed to recover until the rainy weather came on, which occafioned a number of relapfes amongft the convalefcent fluxes, but they foon recovered. The fick lift rather decreafed all the month, at the end of which, there were only two in it. The patients in all were 16 dyfenteries, many of them mild, 1 diarrhœa, 2 flight remitting fevers, 1 cold, 2 rheumatifins, 1 hypochondria, 1 fcurvy, 1 with eruptions, 1 contufion, and 1 ulcer. I preferibed for them as in preceding months.

The patient with the vomica, died the 29th of the month. As his cafe appeared ingular to me, I have inferted it at length.

The Cafe of the Vomica ..

Lewis Campbell, feaman, aged about 35, rather weakly, had a bad dyfentery, for which he was fent to Port Royal hofpital, and returned from thence as cured; but his flux foon returned again, and was attended with a fuppreffion, and great pain in voiding of his urine. Such medicines as I judged proper, were preferibed for him. On the fourth day of his relapfe, he complained of a cough, and a pain in his back, befides of his purging, gripes and tenefmus. As I imagined that the pain of his back proceeded from weaknefs, and his cough from having got a little cold, in turning frequently out of bed in the night to ftool, I ftill continued his former medicines. This was on the 17th of June, whilf we were at Jamaica.

2d Day of his complaining of the cough, he was much the fame, and his medicines were continued. 3d, He complained of greater pain about his back, and his cough was more urgent and dry. His pulfe was quick and finall, and his countenance was flushed at times.

I continued.

I continued his former medicines, and ordered ten grains of fperm. cet. made into a bolus, with ol. olivar. op. to be taken when the cough was urgent.

4th, He refted ill in the night. No alteration was made in his medicines, nor on the 5th day. 6th, His flux was better, but his cough was troublefome. An opiate was prefcribed twice a day, together with his other medicines. 7th, He had a good night. 8th, He complained much of his cough; I repeated his medicines. 9th, He was better, and expectorated a very ill concoched matter freely. He was feverish at night, as were all the valetudinarian fluxes. I therefore, befides his former medicines, ordered him the following draught four times a day. R I inct. cort. vin. Zi. pulv. cort. peruv. zfs. aq. fimp. Zifs. tinct. theb. g. iii. m. 10th, He was much better, though he became feverifh towards night. His medicines were all repeated. 11th, His flux was abated much, and the tenefmus and gripes were eafy. He expectorated, particularly in the morning, a large quantity of dark coloured fetid matter, with the cough, after which he found himfelf eafier. He had been long fubject to a cough, and complaints in his breaft, from a hurt which he had formerly received in the right fide of it-I ordered him a foft linctus to use often, made of fperm. cet. mel. Britan. acidulated with fp. vitr. ten. and a little of the tinct. theb. His drink was a decoction of barley, currants, and liquorice root. 12th, There was no alteration on him. 13th, His flux and its symptoms were very moderate; but the expectoration, or rather vomiting of the matter in large quantities every morning, continued, which nearly fuffocated The matter was very offenfive to his tafte and fmell. Before the vohim. miting in the morning, the pain of his breaft, efpecially of the right fide, was fo great, that he could ly on his back only. He had a continual fmall fever on him; his countenance and hands were fallow and dirty; his hair was quite dry, and flood erect, with a proftration of his flrength and fpirits. I repeated his medicines, and allowed him a nourifhing diet. See part iv. end of §. 5.

14th, He was much the fame, and complained more of his flux and gripes. His medicines were continued. The fit of vomiting the matter commonly happened in the morning with his cough, when he was at ftool, which perhaps, was owing to all the matter difcharged from the ulcer in the night, either falling down, or bearing upon the diaphragma.

15th, He had a very reftlefs night with his cough. I ordered his medicines to be repeated. P. m. he was frequently purged and griped in the day. 16th, There was no alteration for the better. He took his medicines regularly. 17th, He was very weak from the flux, cough, and vomiting of the fetid pus, which was highly offenfive to him, He now likewife expectorated a great quantity throughout the day and night. I continued his linctus, ptifan, opiates and diet. diet, allowed him half a pint of wine, * and gave him an ounce of the tinct. cort. vin. four times a day. 18th, No alteration appeared on him.

19th, He expectorated the pus in greater quantities through the day with his cough, of the fame dark colour. The hectick fever, and the flushing of his countenance continued with partial colliquative fweats. He had very little appetite, and was thirsty in the night. I omitted the linctus, and again ordered him the bark as on the 9th, and continued his ptifan, opiates, wine, and diet.

20th, He was no better, and was extremely weak, and his countenance was much fallen. I prefcribed five dofes of the bark. 21st, He had a better night than ufual, and he was more chearful. I ordered him fix dofes of the bark. His opiate was now a grain and a half of opium. 22d, He refted worfe than in the preceding night. He expectorated and puked a quart of pus in twenty-four hours---his flux and gripes were very moderate. I increafed the dofe to two fcruples of the bark, and gave him fix dofes in the day, with his drink, diet, wine and opiates as before.

23d, He was reftlefs in the night, and very feverifh. I repeated all his medicines. 24th, There was little or no alteration. 25th, He refted much better in the night, his flux was gone, and he expectorated lefs: he was fick at the ftomach; I ordered him ten grains of ipecacoan, which puked him, and gave him two copious ftools. During the time of his vomiting his nofe bled a little. Afterwards, he took his bark and wine as before. 26th, He was in much better fpirits, and he looked better. I repeated his bark, with his other medicines and diet as before.

27th, He had now feldom the hectick heats, colliquative fweats or thirft, and was regaining both his appetite and firength. He coughed little, expectorated moderately, the pus was no longer fetid or offenfive to his tafte, and was of a laudable colour and confiftence. He told me that the flies and infects which, before he began to take the bark, always devoured the pus, would not touch it now. The attendants and people about him made the fame obfervation: I gave fix drachms of the bark in the day, in the fame manner as before; he only took an opiate at night.

28th, He found himfelf much better, and complained of no pain about his breaft, but when he lay on his right fide. p. m. By the wine being omitted with his bark, without my knowledge, he puked and had feveral ftools, and was feverifh at night. 29th, He refted very indifferently in the night, and had little appetite. I ordered his medicines, wine, and diet to be repeated. His opiate for fome nights paft, was two grains of the opium. 30th, He was much better, his medicines and diet agreeing with him. p. m. The G g cough,

* It is to be observed that the measures in the navy are one eighth less than they are ashore.

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cough, the pain of his breaft, and hectick fever returned. 31ft, He was very indifferent, after a reftlefs night. I order'd him two feruples of rhubarb, and only half an ounce of bark at four dofes, with wine, and his opiate. The rhubarb gave him two copious ftools.

32d, He was much better after a tolerable night's reft. He took his bark. 33d, He continued better, and perfpired freely. I repeated his bark, wine, and opiate. 34th, He complained of weaknefs only, expectorated a little laudable pus, and had no bad fymptoms about him. I continued his medicines. 35th, He had feveral ftools in the night. I prefcribed his medicines and diet as before. 36th, His perfpiration ftopt, he was griped and frequently purged in the night. Moft probably from the difagreeable change of weather. See the journal page 66. I prefcribed a dofe of thubarb, and afterwards his bark, wine, and opiate as before. 37th, He paffed a reftlefs night from the grips and his fever. a. m. He complained lefs tho' he was very feverifh. I repeated his bark and wine. p. m. He was hot, thirfly, very much dejected, and complained of great weaknefs. I gave him his opiate.

38th, His flux continued, he had a fhort, dry, urgent cough, and he wasmuch weaker and defponding. I omitted the bark, and prefcribed the diafcord mixture with his wine and fmall dofes of opium. p. m. He was more feverifiand began to rave. 39th, He was much worfe; his pulfe was very fmall and quick, he was very thirfty, and raved more, and was hungry. I repeated his medicines as on the 38th day. p. m. His extremities became cold, he was quite reftlefs, and his pulfe was very irregular, and feemed to vibrate at times. I order'd him wine only. 40th, He had one ftool in the night. His countenance was *hippocratick*; there was a cadaverous fmell about him, and he grew much weaker. I continued his wine. 41ft, His countenance was frequently difforted with convulfive twitches; he muttered delirioufly, and was quite reftlefs with his limbs. His pulfe was thready and tremulous, and his hands were convulfed. In this manner he died at midnight.

Had we been fo fortunate as to have had good weather a fortnight, or three weeks longer, until he had recover'd more ftrength, in all probability he would have got well.

AUGUST, 1773-

It being rainy until the 20th of the month, the 7th and 12th days excepted, the fick lift continued encreafing. 11 Dyfenteries, chiefly relapfes; 1 headach; 1 cough; 1 fcurvy; 1 rheumatifm; 3 contufions; 1 opthalmia; 1 abfcefs; and 1 with a dimnefs of fight, in all, complained.

One of the relapfed dyfenteries died, who was highly fcorbutick, and a confiderable time bad before he complained. See cafe VI. of the Jamacia dyfentry. A marine A marine likewife died of it : a very bad fever attended his flux. See the cafe preceding the one just referred to.

All the patients were treated as in former fimilar cafes.

Ten of the men died this voyage of the dyfentery. Four died at Port Royal hospital, and fix on the passage from Jamaica to England; four of whom had been at the hospital. I reckon the patient who had the vomica one of the four. One man fell over board and was drowned on the paffage from Jamaica.

C HAPTER III.

REVIEW OF THE SICK LIST, WITH PRACTICAL OBSERVATIONS FROM THE 21ft of November 1773, TO THE Ift of September, 1774.

NOVEMBER and DECEMBER, 1773.

THE people continued amazingly healthy during the time that the ship stayed in England, confidering their investigation of the time that the ship ftayed in England, confidering their irregularities and indifcretion. One man was drowned along fide of the hulk, which the men were on board of, whilft the fhip was in dock; I was killed by a fall from the fhip's fide intothe dock; 6 weak from fluxes and other difeafes; 6 fevers; 4 with the rheumatifm; 2 fluxes; 2 coughs; I ulcer; and I contufion, were fent to the hospital in that time, belides those men who were fent the day after our arrival from lamaica.

The patients who were in the fick lift when we failed, proceeded, as those in the former voyages, from great intemperance and then getting cold; and their number continued to encrease until the end of December, when it was the same as at the time of our leaving England.

A new fever appeared on board the 13th of December, whilft we lay at Teneriff. I call it a new one becaufe it did not occur in any of the other two preceding voyages : an account of which I shall infert at the end of next month's review, and call it a catarrhous fever.

All the difeafes of the month were 3 remitting fevers, which were mild, 6 flight fevers, 7 catarrhous fevers, 1 intermitting fever, 1 diarrhœa, 1 cough, 1 fcurvy, 2 rheumatifms, 1 hamorrhoides, 1 with eruptions, 1 weak, 1 nephrites, 5 contusions, 1 strain, 2 inflammations, 1 abscess, and 3 ulcers.

I prefcribed.

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I prefcribed for the feverifh indifpolitions as already mentioned, page 74, and for the chirurgical patients, after the manner I have fet down for contufions, page 96, excepting the abfcels and ulcers. The laft of which will be fpoken of hereafter. Concerning an abfcels I need fay nothing. The hemorrhoids were cured by keeping the body open with a common purging electury, to which flos. fulph. was added, after giving a fmart purge, by the use of a fomentation, and anointing the parts with an emollient ointment, containing fulphur.

The fcurvy appeared in the patient's ankle a few days after we failed. The caufe of which proceeded most probably, from his having been put in irons when drunk a little time before, when it was strained. He foon became exceedingly bad, being fcarce able to stand with the help of crutches. I ordered him lime juice with wine and sugar twice a day, and a proper regimen, fee part IV. ch. 1. § 5, which recovered him in a great measure, but he did not get quite well on board.

JANUARY, 1774.

The fick lift varied little, though it rather decreafed all the month. In the beginning thereof a few catarrhous fevers were added to it, and were fucceeded by bilious complaints. The patients in all were 3 remitting fevers, 1 of them only was bad, 7 flight fevers, 4 catarrhous fevers, 1 belly-ach, 1 contution 1 inflammation, and 2 lame. I prefcribed for the bilious complaints as in February 1772.

The Catarrhous Fever described.

The catarrhous fever attacked both young and old, and it was remarkable, that a few who were first taken ill with it, and towards its declension likewise, had it in a more favourable manner than the intermediate number. What were either the procatartick, or the proximate causes thereof, I know not perfectly. I have mentioned in the journal, see the 23 of February 1772, that the Weafel's men were feized with catarrhous complaints whilst they lay off Senegal, in very foggy weather, which probably occasioned them: but in the Rainbow, the fever commenced at Tenerisf, and disappeared whilst we lay off Senegal, in very indifferent weather, as is evident from the journal.

In fome patients this fever began with a fwelling, and pain in one fide of the face, and throat; but generaly the whole face and throat was fwelled, the feat of which fwelling feemed to be in the glands, though they were not remarkably hard. The uvula, tonfils, and fublingual glands were enlarged and redder than natural. The fwelling was painful, the patient was feverifh, and at night there was an exacerbation. About the third day, the fwelling was much much increased, the whole head being affected. They spoke with pain, deglutition was difficult, and the fever with thirst, was more confiderable. The fixth day, the swelling, pain and fever were much abated; but they still had pain in swallowing. They complained of an offensive taste and smell in their mouths and throats, although I never perceived an abscess, or an ulcer in them.

Most of them recovered in eight days; a few sooner; one recovered on the 11th, and one was afterwards seised with a cough and a very bad sever. See case 15th of the sever, part IV.

The crifis was a free perfpiration about the throat, and a copious falivation, attended with the offenfive tafte and fmell already mentioned.

From the general part of them, I took away a little blood, which was fomewhat fizy, and next day ordered a purge of falts, which I repeated as occafion required, effectially when the bad tafte and fmell was perceived. I afterwards gave the faline mixture with Huxham's effence of antimony, from fifteen to forty drops, every fix hours; allowed them fage tea or barley water for drink; made them gargle frequently, with decoct. falv. mel. Britan. & acet. diftil. embrocated externally with the volatile liniment, and covered the parts with fannel; and preferibed a light diet.

FEBRUARY, 1774.

The patients were not numerous this month, and were chiefly bilious indispositions; most probably they proceeded from their eating unripe plantains, bananas, plenty of fresh fish, and the hot weather. I ordered such medicines for them as I have already mentioned. See page 97.

Two remitting fevers occurred, one of which was mild---this man had been in the fick lift not long before, with a bilious complaint---the other was mortal.

Though I have faid he died of a remitting fever, ftrictly speaking, it had neither the pathognomonick symptoms of the fever, nor of the dysentery, as may be seen from his case in the following month's review, and may therefore be more properly called *anomalous*.

The fick lift decreafed until the 10th of the month, and then increafed until the end. All the difeafes were 2 remitting fevers, 6 flight fevers, 4 diarrhææ, 1 belly-ach, 1 cough, 1 hypochondria, 1 with piles, 2 with eruptions, 1 fcrophula, 1 ftrain, 2 contufions, 1 ulcer, and 1 lame.

MARCH, 1774.

The fhip's company was remarkably healthy all the month, which I may again venture to fay, was principally owing to the tincture of bark having been administered to all the people who were employed on shore duty, after the same H h manner manner as it was the preceding voyage. This circumstance deferves the more particular attention, because they had not the advantage of getting any fresh stock, when the ship was at the Cape de Verde islands, as they had the two preceding voyages. Another circumstance is worthy of notice—the marine who got drunk, and lay in the woods one night, and amongst the blacks the following night, at Sierra-Leon, when sent as one of the wooding party, as I have remarked in the journal, page 76, 77, and 78, never had the least ailment, from my having taken the precaution of giving him the bark, after a vomit and purge.

The fick lift continued to decreafe until the 24th of the month, when a few flight ailments were added to it. The opthalmia remitted, and after vomiting and purging the patient, it was carried off by the bark. The old fcorbutick patient recovered amazingly, from being fent afhore at Sierra Leon, and Cape Coaft every day, though he was a dirty inclined wretch. The hypochondria grew worfe, and he was fo obftinate who had it, that he would take no medicines. I prefcribed for the other difeafes as in preceding months. The man with the fiftula in ano, had only a fmall draining from a part of the old incifion, where he had formerly been cut for a fiftula. His body was kept open, and dreffings applied to the part.

In all were added to the fick lift, 4 flight fevers; I darrhœa, I opthalmia, and a few flight complaints of the fame kind; I excoriation, and I old fiftula in ano. The anomalous cafe of last month, died the 6th of this: and now follows,

The Anomalous Cafe.

Wm. Macartney, feaman, aged about fifty-fix years, after having been a month bad, complained on the 24th of February, while we lay at Sierra Leon, of a purging with fevere gripes, of a puking, a headach, thirft, great weaknefs, and univerfal pains. His countenance was fallow, and he had very little fever. I ordered fifteen grains of ipecacoan, and an opiate at bed time, with barley water for his drink.

2d Day of his complaining, there was no alteration: I prefcribed two fcruples of rhubarb. p. m. He was griped all the day, and had only one ftool. An emollient clyfter was therefore administered, and his opium—half a grain, repeated at night.

3d, He had a bad night; the gripes were conftant, with a fruitlefs defire of going to flool. 1 ordered pulv. ipecacoan. gr. v. tinct. theb. gt. vi. aq. fimp. 3ifs. fyr. fim. 3ii. fiat hauftus ter in die fumendus. *p. m.* He found himfelf rather eafier, and his thirft lefs, but his medicine had puked him only. The clyfter clyfter was therefore repeated, and his anodyne at night. I allowed him a little wine.

4th, He paffed a reftlefs night, and was not relieved by his clyfter, though it gave him feveral copious ftools: I repeated his dofe of rhubarb and anodyne, with his wine. p. m. He had feveral ftools; he was very weak, his fpirits were much depressed, he had no appetite, and his gripes continued with a small fever upon him.

5th, He found himfelf no better. He had been long fubject to complaints in his bowels, from the dry belly-ach, which he had formerly had in the West Indies. *a. m.* I ordered him two of the following pills, with plenty of demulcent drink, (fee page 108) and his opiate at night. R. pulv. r. rhei 3i. tart. emet. gr. iv. fapon. ven. gr. viii. tinct. thebaic. gt. xxxvi. fyr: fimp. fiat maffa pilularum dividenda in No. xii. *a. m.* He had no ftool: the clyfter was repeated.

6th, He refted a little better; his clyfter procured him but one ftool. The abdomen was fwelled and tenfe, and the fmall fever ftill continued: I repeated the pills, and ordered the abdomen to be well fomented, which gave him eafe. p. m. His countenance was gaftly. I preferibed camphor gr. vi. and gave him his wine and opiate.

7th, He paffed a bad night; he dozed with his eyes half open, and was in no refpect better; though he had two copious flools in the night. p.m. He was no eafier. I repeated his pills, and gave him ten grains of camphor, with his anodyne and wine. 8th, He had feveral flools in the night; neverthelefs, the fwelling, and tenfion of the abdomen was very troublefome. I ordered his medicines, wine, and drink to be continued. p.m. His body was lax.

9th, The abdomen was more diffended and hard, though not conftipated, nor had he any obfruction of his urine. His pulfe was very fmall, his fkin was only moderately warm, and his thirft neverthelefs, was infatiable. I again prefcribed as before. 10th, He had a very reftlefs night: the abdomen was painful upon being touched; and he was feized with bilious vomitings, and a hiccup. p.m. As he had only one ftool, I ordered the clyfter to be repeated, and his medicines and wine to be continued. 11th, He was extremely reftlefs in the night, and the fwelling and tenfion of the abdomen increafed. I prefcribed wine only. p.m. He had two copious ftools in no wife putrid, and died at four o'clock.

APRIL, 1774.

The first day of the month, a very malignant dysentery made its appearance amongst the marines, who were the greatest fufferers therein, as well as in the dysentery of the preceding voyage. Several of the seamen were attacked with the several of the several of the seamen were attacked with the fourvy; a few with bilious indispositions; and two with remitting fevers, of of which one was of a mild form. In all 13 dyfenteries, I diarrhua, 2 beilyachs, 2 remitting fevers, 2 naufeæ, I headach, 4 feurvies, I rheumatifin, and I excoriation, were added to the fick lift. As we may therefore juftly be faid to have had a very quick transition from a healthy to a fickly flate, I beg leave to flate the following queries concerning it, and fhall leave it to every perfon to judge whether or not they express the real caufes of the transition.

Could our long inactive fituation off Senegal Bar, without fresh meat, and vegetables, in a very impure atmosphere, (see the Journal, page 73 and 74) the disappointment of our not getting any fresh stock at the Cape de Verde islands immediately after; and the men's remarkable great abuse of new spirits while the stock at Cape Coast, be said to be the remote or procatartick causes of the stock of the stock

Could the two rainy last days of March be faid to have been the proximate or immediate exciting caufe of it?

It is true that a boat came on board of us twice, on the 31ft of March, from the whale fifting veffel, and brought the mafter of her, who was bad of a Tertian fever of a mild form; but as all the reft of her men were well, it can hardly be fuppofed that a dyfenterick infection was contracted from him; befides the marine who first complained of the dyfentery, was taken ill the 31st of March. Allowing then that a malignant dyfentry could have been originated from a mild remitting fever, which is by no means probable, is it to be fuppofed, that the infection would have operated fo powerfully as to have produced its fatal effect (I may fay) inflantaneoufly?

The preceding voyage indeed, we had no flux on the paffage from the coaft of Africa to Jamaica, notwithflanding all the heavy rains: but there were not the previous concurring circumflances to them, which we met with the laft voyage. The men too no doubt got drunk the former voyages, when the fhip was at Cape Coaft, at times; but they were hardly ever fober while we lay there the laft voyage.

Whether there was any particular difpolition in the confliction of the air to introduce the dyfentery immediately with the rains laft voyage, or not, I will not prefume to fay, nor offer any hypothesis on the subject. I have stated all the facts which were obvious, concerning it, that every person may form, his own judgment of the matter; for I acknowledge myself to be no admirer of hypotheses in the practice of physick, be they ever so specious. They may indeed show the ingenuity of the authors, but, in my opinion, they never can be really ferviceable.

The dyfentery of which we are now fpeaking, run more fpeedily through its different stages, than that which occurred the preceding voyage; confequently it was more speedily fatal. Three marines and the ship's barber died: not an officer, officer, or petty officer was feized with it. Probably, for the very fame reafons which I alledged for their having efcaped it the preceding voyage.

For a particular account of it, and of the manner in which I prefcribed for it, fee the general account of the dyfentery, part IV. ch. 2. I prefcribed for all the other difeafes as in fuch cafes of former months.

MAY, 1774.

Five fick people were left at Antigua hospital. The fick lift increased all the month, of which the difeafes were various, though not a dyfenterick patient complained before the 15th Day, after which a few very bad cafes thereof were added to the fick lift. Most of them were fent to Port Royal hospital, where it attacked our own fcorbutic men, from the fame caufe that it did the preceding voyage.

The fourvey continued to prevail amongst the feamen until we arrived at Port Royal. However, they were not numerous even then, nor were any of them bad, except the patients who had ulcers, which became very foul, and troublefome.

The remitting fevers were chiefly mild; but a few of the patients were liable to relapfes, as was one man with a headach which remitted, and he continued long weak. The bilious complaints were mostly added about the end of the month, after the people had got new rum.

All the difeases of the month were 8 remitting fevers, chiefly mild; 2 flight fevers, 3 headachs, 8 dyfenteries, 1 diarrhæa, 1 belly-ach, 6 feurvies, 1 cough, 1 mortification, with eruptions, 1 fcald, 1 contufion, 1 lame, and 4 fcorbutick ulcers.

In preceding months, I have mentioned in what manner I prefcribed for fimilar cafes-excepting the mortification; but I shall here add fome remarks concerning the fourvy, and then relate the cafe of the mortification at length.

Some Remarks on the Scurvy.

Amongst the scorbutick patients during the second and last voyage, for there were none the first: no unufual fymptoms appeared, that is to fay, no other fymptom than is already taken notice of by the indefatigable Doctor Lind, in his most elaborare treatife on that difease. It would therefore be needless for me to enumerate their general complaints, or to infert any particular cafe, as nothing, I believe, can be added to his complete hiftory of it, or to the method . which he has laid down for curing it, in the third edition of his book.

All that I shall therefore add on this head, is, that the scorbutick people on 11 bourd

bourd the Rainbow, were treated whilft fhe was at fea, as nearly as circumftances would admit, after the judicious method which Dr. Lind has laid down; but none of them were perfectly recovered when we arrived at Jamaica, where they were all fent afhore to Port Royal hofpital, and had a frefh meat diet, with plenty of vegetables and fruit.

The laft voyage however, I felected three patients whofe cafes were nearly fimilar, to make an experiment with different medicines. The three were upon the fame regimen, and had each of them a pint of wine daily. To the patient who was oldeft, and rather the worft, I gave twice a day, one ounce of lime juice, and two ounces of wine taixed and fweetned with coarfe brown fugar; to the youngeft of the three, I gave the elixir of vitriol twice a day in water, in fuch a quantity, as not to gripe him; and for the other patient who was elderly, and the fecond in illnefs, I ordered an ounce of the bark in powder every day, mixed with water only.

The medicines were regularly administered for a week, at the end of which, it was evident that the man who had taken the bark, was by much the most relieved, for he then complained only of weakness, he found himself to much recovered. Next to him, the old man who had taken the lime juice mixture, was the most relieved. But I could observe no alteration for the better in his cafe who took the elixir of vitriol.

Before I quit this fubject, I muft beg leave to add one remark, which may not be altogether unworthy of the attention of fome of my brethren. It is certain, that a few cafes of any particular difeafe, can feldom prefent to a phyfician or furgeon, all the variety of fymptoms, which are contained in the general hiftory thereof; becaufe a general hiftory is, undoubtedly, compiled from a greater number of cafes, than can poffibly fall under the obfervation of every practitioner. Therefore, though the pathognomonick fymptoms will generally indicate to an old practitioner the real difeafe; yet it is more than probable, when a few cafes only happen to fall under the care of a younger, which do not prefent all the various fymptoms that are fet forth in the general hiftory of that difeafe, and which they are only acquainted with from reading, that this is the principal caufe of their being puzzled in diffinguifhing the difeafe, and in treating fuch patients properly.

I only fay, that the pathognomonick fymptoms will generally indicate what difeafe it is, becaufe fometimes, the cafe is fo complex, as to baffle all the fkill of the most diferring physician to investigate. When that occurs, all that can possibly be done, I apprehend, is to fubdue the most alarming fymptoms, one after another, until the difease is either perfectly cured, or assure its proper type.

What led me to this reflection, was my recollecting a forbutick patient's

cafe

cafe which occurred to me on board of his Majefty's floop Ferret, in the bay of Mexico, in the year 1766. On a very fhort cruife from Penfacola, (after the fhip's company had been a long time without fresh meat or vegetables,) in that bay, we had extremely bad weather, during which the people were often wet and greatly fatigued. The fourvy foon made its appearance, attacked a number, and was very rapid in its progrefs.

Having unfortunately loft my day-book, I cannot mention all the particulars relating to the man's cafe, but I remember well, that it corresponded very nigh with the uncommon appearance (of an universal dropsy) which it put on in the East Indies, on board of his Majefty's fquadron in the late war, as defcribed in Doctor Lind's treatife ; + which appearance I had not heard of then, far lefs feen, though I had an opportunity of feeing the fcurvy in all its ftages, on board of his Majefty's ship Prince of Orange, on a cruife in the bay, after the reduction of Belle Me, when we had above a hundred men bad, of whom, fortunately, only one died. I was therefore fo much puzzled, that I confulted Doctor Lorimer * at Penfacola on his cafe, and by his advice I made different times feveral punctures with a lancet in the fcrotum, which was greatly diftendcd, as well as his whole body, when the difeafe was in an advanced state, and treated him in every respect as if his difease had been an anafarcha; but he died foon after I left the Ferret. So that Doctor Lorimer did not fuspect his cafe to be fcorbutick, more than I did then. it al.

None of the Ferret's men died except that poor man, although feveral of them were in the last stage of the disease before they were got ashore. But they were certainly indebted for their recovery, to the humany of Governor Johnston, and Captain Murray who commanded her. The one generously fpared his country houfe for an hospital, and gave them fresh falad every day :: and the other allowed them his wine in fuch quantities as I thought proper.

The Cafe of the Gangrene or Mortification ..

Charles Duplaffey, butcher, an old man, much given to drinking, was fubject to the gout, and gravelish complaints with a suppression of his urine; the last of which generally followed his being drunk, and was carried off by gentle catharticks, diureticks, and a pediluvium. On the evening of the 9th of May, he complained of being unable to make water, and of great pain about the penis. Upon examination, I found both the penis and fcrotum much enlarged, and of an inflated appearance, which I fuppofed was the confequence of the urine's

+ See page 278, of the third edition. * This gentleman is yet Surgeon General of the province of West Florida, and remarkable for his knowledge of mathematicks, as well as eminent in his profetion.

urine's having been fuppreffed fome time, as he upon my enquiring acknowleged had been the cafe, I ordered him a ftrong decoction of rad. alth. and fal. nitr. with fugar, to be drank frequently; the parts to be fluped with a difcutient fomentation, and to be fufpended; and made him use a pediluvium. His medicine operated by ftool and urine, but not freely.

Next evening he complained of flatulencies in his bowels, and a flight reaching at times. The inflated-like tumour did not fubfide, nor was his pain leffened. I was aftonished the morning of the 11th to see the forotum in a state of mortification. He complained too of much pain about the pubis, which gradually afcended to the abdomen; all the pubis was fomewhat red; the fpermatick cords were much enlarged, tenfe, and exceedingly painful, as were the penis and fcrotum, upon being ever fo gently handled. His pulfe was languid, and he had frequent cold clamy fweats on him. I added fpirit of wine to the fomentation. and dreffed the parts with hot digeftives. I ordered him the bark in equal parts of red port and water as often as his ftomach would receive it. He took to the quantity of a drachm and a half of the bark every hour at leaft, with thirty drops of the fp. nitr. dulc. at times; but towards night the mortification had feized the prepuce which was very large, and the penis was become emphyfematous. He made water in a fmall quantity, and had no appetite from his first complaining; - he was now troubled with a hiccup; and his pulse was very weak and irregular. In the morning of the 12th his extremities became cold, there was a cold clammy fweat on him; he was now infenfible; his breathing was laborious; and his pulfe was thready and fluttered before he died at 9 a.m. The mortification externally, did not penetrate deeper than the fkin. The fætor about him even before his death, was exceflively offenfive.

After he died, I was informed * that he was very drunk the afternoon of the 7th, and lay with a black woman that night, who had *blown* him; and that he was taken ill the next morning, though he did not complain—the pain and fwelling about the genitals having begun then. What was meant by his having been *blown* by the woman, I was ignorant of; but hearing at the fame time, that there was a man in the fhip who had formerly fuftained a like injury from a whore, I fent for him to afk him fome queftions on the fubject. "He told me that he faw the butcher's condition the morning after he lay with the black whore, and then mentioned to him what the matter was with him; that he likewife had been ferved fo by a girl, and was fent to an hofpital, where he was all cut and recovered; but that he told the furgeon thereof by what means it happened." He was a young healthy man. "He added that the whore's method

* I have no great faith in the following relation, which is inferted in the manner that I had it; only becaufe I thought it curious." method of ferving him the trick, he could not tell, for he perceived no unufual circumftance in the act of coition that fhe did. However, added he, he was certain that fhe knew of her having done it, becaufe fhe ran away as foon as fhe got out of bed, and never went near him again; and he fuppofed that fhe had ferved him fo for beating her before they went to bed. He further added, that the butcher had beat his girl before they went to bed, and fhe likewife went afhore as foon as fhe got up in the morning, and never returned to him."

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From the preceding relation (which I learned too late, to make any experiment in the butcher's cafe; and if I had known it fooner, I am doubtful whether I could have been the means of preferving his life, by reafon of his age, bad conflitution, and his being fo long in complaining after he found himfelf bad) it would appear, that only fome proftitutes have this infernal art of blowing a man in the act of coition. My mate, who had feen numbers of fuch cafes, never once fufpected it to be the butcher's, nor mentioned it until I told him what the young man faid, but he could give me no information that was fatisfactory about the matter; neither could fome eminent Phyficians whom I have fince confulted thereon, notwithftanding they had had fome cafes of the fame kind under their care in their courfe of practice. As for my own part, I ftill confefs myfelf perfectly ignorant of it; but if it really is in the power of a proftitute to commit fo hellifh a trick, I think it very providential that fo few of them know the art, otherwife I may venture to fay, that they would treat men in that abominable manner for every flight offence.

Query. May the people's drinking new rum at Antigua and St. Kitts; the heavy rains of the 19th and 20th of the Month, to which all of them were exposed; and their great abuse of new rum, vegetables and fruit, immediately after at Jamaica; be faid to be the exciting causes of the Dysentery re-appearing again, as well as of the bilious complaints?

And may not the fame queries be flated here, as were last May, respecting the possibility of either preventing the dysentery from becoming to epidemick, or rendering it less malignant?---Some of the men died of it at the Hospital.

JUNE, 1774.

The patients were very few this Month, and their complaints were the evident effects of their intemperance, and indiferetion. Four were added to the fick lift the firft day; from that until the middle, one now and then only; after which they were more frequent. None of them were dangeroufly ill except the patient with the remitting fever, who got bad from fatigue and exposing himfelf too much to the fun: He was fent to fick quarters the third day of his illnefs: fee the laft cafe of the remitting fever, Part IV. Most of the other patients were font to the hospital. The few who remained on board were treated as fuch d feases in fo mer Months. In all they were 3 Dysenteries; 1 Diarrhæa; 1 re-K k mitting Fever; 3 flight Fevers; 1 Headach; 1 Scurvy; 1 Hectick patient; 1 Contusion; 1 Lame; 1 Wound, and 1 Ulcer.

The patient with the fourvy was the Marine, who was fo dangeroufly ill after the catarrhous fever; and the only marine who had the fourvy in the three yoyages.

The patients of this Month were ftill fewer than those of the last, unless we include them who returned from the Hospital, and were added to the fick list, and the feven invalids. They who came from the Hospital were 4 fcorbutick fluxes; I epilepsy, who was sent for a dysentary; I dysentary; I valetudinarian flux; I fcrophula; and I contustion. The invalids were I blind of an eye; I gout; I with obstructions in the abdomen from a remitting fever; I headach from an old fracture of the cranium; I very large foul ulcer; and 2 chronic fluxes; most of whom recovered much, from the medicines which I had hitherto prescribed in fimilar cafes.

One of the fcorbutick fluxes that returned from the hofpital, was feized on the 20th with a flow nervous fever, which cafe shall be described at the end of the review of August .--- The contusion I discovered to be a fracture of the head of the os femoris, but I could then be of no real fervice, it happening when I was a fhore, and my mate, before he fent him, nor the furgeons at the hospital, never suspected it. Epithems and a regimen were all that I could prefcribe for him. The fcrophulous arm was laid open at the hofpital, and was now exceflively troublefome and painful to the poor man, who was greatly reduced by the dyfentery, which attacked him there, and continued to hang upon him, in fpite of every method that I could think of to remove it. Applications were of very little benefit to the arm.---The epilepfy continued as obstinate as it had been at the hospital, where he got it by a fright one night in bed, he faid. Evacuations, blifters, gum pills, volatiles, opiates, bark and the cold bath, were not fuccefsful, in the manner they were tried afhore, and all repeated again on board. The fit always occurred in the night, and at times he escaped having a fit for one night, or fometimes had a flight one; but these circumstances were uncertain, and feldom. As I did not see him until he had been bad a confiderable time, I think it would be needlefs to infert only a part of his cafe.

There was nothing particular in any of the difeafes which were added on board---namely, 4 flight fevers; 1 head ach, 1 naufea; 2 belly-achs; 1 flow nervous fever; 1 epilepfy; 1 contufion; 1 fracture—difcover'd; and 2 lame patients. The old hypochondriac patient continued very obftinate, and would take no medicine.

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The weather being rainy, the fick lift increafed until the 26th of the month, and aft rwards decreafed. As we were daily raifing our latitude, at the fame time it became colder, efpecially at the latter end of the month; the difeafes therefore chiefly arofe from that caufe, many of the people being ill provided for fuch a change of weather, which is generally the cafe with them after leaving a hot climate, as I have already obferved. However, they were not numerous, the phyfical patients were all relapfes, and one of the intermittents was an invalid; fome of rheumatifms were relapfes, and the reft who had it were fubject to it---except the complaints which were added the two laft days; there were but few in the lift when we arrived in England, unlefs we include the invalids who were all amazingly recovered; but him with the blind eye, the man with the large foul ulcer, and him with the obftructions of the abdomen were quite well; the laft of whom was recovered by purges of jalap and calomel, frequently repeated, and in the intervals pills of foap and emetick tartar, and a hight diet with wine.

All that were added to the fick lift were, I remitting fever; 3 intermitting fevers; 1 of whom was an invalid; 1 flight fever; 1 head ach; 1 belly ach; 5 rheumatifms; 4 contufions; 1 feald; and 1 wound.

I prefcribed for them as I had done for fimilar cafes hitherto.

The man with the flow nervous fever of last month, was returned to his duty the 14th of this, quite well, whose case I shall now infert.

The Cafe of the flow Nervous Fever.

Charles Burton, feaman, aged about 28, of a effeminate temper, complained on the 10th of May ult. of fcorbutick fymptoms, for which he was fent to Port Royal hofpital the 22d, and continued there until we failed from Jamaica, where he had a flight attack of the dyfentery. A confiderable time after he came on board he was feeble, and was troubled with a cough, notwithftanding he took medicines and was under a proper regimen. He complained the 19th of July that he had had a purging on him for three days, altho' he did not mention it, for which I ordered him then three dofes of ipecacoan, each five grains, and an anodyne at night.

On the 20th of July, latitude observed at noon 18° 58 N. though his purging was abated, he complained of unufual weakness, heat, and thirst. P. M. he was very peevish, his pulse was quick, and his skin hot. I prescribed two scruples of theubarb, and thin gruel. 2d, He had an indifferent night; he frequently belched his mouth full of ill tasted stuff; he was somewhat deaf, and returned indiffinct answers, he craved, his checks were flushed, and
3d, He complained conftantly of an ill tafte, and clamminefs in his mouth, which he was very anxious to get rid of; his tongue in the middle was of a Pomegranate colour, furrounded with a black line, and a clean margin or edge; he was very giddy; he had frequent loofe ftools, conftant tremots, an inordinate craving, a continual thirft, and was very weak. I ordered him the faline mixture made with the fal. C. C. wherein the falt predominated; with the addition of Tinct. Theb. and red port; at the fame time I allowed him a nourifhing diet with wine, and gave him a flice of a China orange fprinkled with fugar, to fuck frequently. There was Tinct. Theb. gt. vi, in each dofe of his mixture.

4th, His tongue was clean; he complained lefs of heat, and his pulfe was not fo quick. In other respects he was the same; and seemed to sleep more than he would allow. I continued his medicines and diet.

5th, His purging without gripes was still troublessome; and a prickly heat like eruption appeared about his neck and breast. I prescribed Pulv. Rad. Rhei, gr. x. Pulv. Ipecacoan, gr. ii. m. fiat. pulv. matutino fumendus. The powder puked him gently, and gave him several stools. P. M. his pulse was more regular, and his skin cool; but his tongue was dry; he sighed deeply when he spoke; and preferred lying on a cheft to his hammock.

I ordered him Pulv. Contrayerv. C. gr. x. every eight hours, befides his medicines every four hours as prefcribed on the 3d, with his wine and diet. By accident I learned that he had been fomewhat delirious on the nights of the 19th, 20th, and 21ft, of July, but not afterwards.

6th, He was quiet in the night and fweated profully; his tongue was much cleaner; and he complained only of weaknefs. However, the bad tafte of his mouth, his thirft, purging, tremors, giddinefs, inordinate craving, his deafnefs, and the flufhing (with a wildnefs now) of his countenance continued. His urine was high coloured. I ftill repeated all his medicines, continued his wine, and frequently gave him, without his asking for any thing, a little fago, panada, or a toaft with wine, cinamon, and fugar added to them.

7th, He was more peevifh, being now tired of every thing that he was fond of before. I ordered all his medicines, wine and diet, to be continued as before.

8th, He was weak and faintifh; his pulfe was very unequal; his mouth was dry and clammy; his skin was hot, with a difagreeable moifture on it; though he complained of nothing except his purging, and that his ftools were finall. I prefcribed as before, and an opiate Tinct. Theb. gt. xv. to be given him at night; and likewife a large blifter to be applied between his fhoulders. 9th, He refted well feemingly, but denied that he had any fleep. At noon his pulfe was very fmall; his fkin was cold; and he had a cold clammy fweat over him. He muttered; fpoke inarticulately; and dozed frequently, but would not acknowledge it, nor afked for any thing. I repeated the pulv. contrayerv. c. with theriac. androm. gr. v. every fix hours, and gave him a large fpoonful of the following julap every two hours. R. tinct. ferp. virg. 3iv. fp. vol. arom. 3ifs. aq. fimp. 3viii. facch. alb. ad gratum faporem. I applied large blifters to the

internal parts of his thighs, and continued his wine diet. p. m. he made but one flool, though his blifters all acted properly, and he feemed rather better-he felt no pain any where.

10th, He refted very well apparently in the night. His pulfe was more regular, his fkin was moift, and moderately warm; his purging was abated, and he complained of his blifters paining him. I omitted the theriac and julap, continued the contrayerva as before, and repeated the following draught every hour. R. tinct. cort. peruv. Huxham tinct. rad. ferp. virg. ana 3i. aq. fimp. 3i. facch. alb. q. f. fiat hauftus: and likewife his diet as before.

11th, He was eafy but did not fleep in the night; and though he was ftill feverifh and his tongue dry, he complained only of weaknefs, and was hungry. I ordered two ounces of a ftrong decoction of the bark with a little wine and his former diet. p. m. he had only one ftool in the day; was in good fpirits. and in every respect better. The eruption now increased about his neck and breaft.

12th, He had a good night, complained much of his blifters in the day, and of great weakness. His tongue was moift, and he had very little fever. I repeated his decoction and diet.

13th, He was a little feverifh; a. m. he took his decoction. p. m. He had no fever on him, and complained of his weaknefs and the tremors only.

14th, He was much better, and took his decoction with wine every hour regularly, and diet.

15th, 16th, 17th, 18th, and 19th, He continued to recover. I prefcribed as on the 11th.

20th, Hé took the decoction every two hours only; on the 21st day he took it four times, and afterwards morning and evening, until the 26th day of the fever when he returned quite well to his duty.

Six men died on the voyage. The Anomalous cafe; four with the dyfentry, and the man with the mortification.

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C H A P. IV.

REMARKS ON PARTICULAR DISEASES.

SECTION I.

On the Rhumatism.

IN the three voyages we only had twenty nine rheumatic patients, most of whose cases were chronical, and yielded to catharticks, finall doses of calomel and jalap, with a little camphor added thereto, to prevent the mouth from being affected. Sometimes blifters were applied to the parts, but more frequently they were only rubbed several times a day with the ol. terebinth. and covered with flannel.

I cured one man who was much troubled with it in one of his wrifts, elbow, and fhoulder, the fecond voyage, by rubbing the parts well a few times, with a liquid which Captain Collingwood got from a Gentleman in Jamaica, (who is fince dead) to rub his limbs with when he was attacked with the gout; which was ferviceable to him often in allaying the pain. What it was compounded of I know not, but the Gentleman affured Captain Collingwood, that it was made from herbs, and had always relieved him when he had been laid up in terrible fits of the gout. It was clear as water, and he defired it might be always warmed in a bafon, or cup placed in hot water, before it was ufed. In rubbing it on, it leathered fomewhat, and made the part look red afterwards, and break out in a fmall eruption. He called it vegetable cream.

The rhumatism of last August was acute, of which the patients were more numerous than they were all the first voyage. I treated it therefore nearly as acute fevers are managed in a cold climate. A little blood was taken from the patient, a purge administred and repeated as was necessary; and I gave them with fage tea, or barley water, from thirty to five and forty drops of Huxham's effence of antimony, morning and evening; or eight grains of camphor, or two selfence of a falution of gum guaiac, with fal. nitre in rum, and a light diet. The folution of the gum promoted the alvine discharges, as well as a free perfpiration: but unless the patient drank plentifully, it was apt to occasion a flight dyfuria. The topical applications were the same as in the chronical cases.

I have known an emetick to be of very great fervice in a lumbago, when bleeding and purges both repeated, together with fudorificks had proved ineffectual.

SECTION

SECTION II.

On Ulcers.

WITH refpect to ulcers, when they were either of long ftanding, or were very large and foul, as was frequently the cafe, I never found any application whatever really ferviceable in reducing them to a healing condition, until the habit of body was first mended. That I always effected by repeated purges, with which calomel was joined; abstinence from falt provisions and fpirits; keeping the limb in a horizontal posture; and giving plenty of the bark in fubstance, fometimes adding elixir of vitriol thereto, and continuing it until the ulcer was healed. Whether the applications to the ulcers were warm digestives; the precipitate dreffing; dry lint, or cataplass, &c. by the method I have mentioned, they foon discharged a laudable pus, diminished furprifingly, and put on a healing appearance: after which common dreffings were made use of only.

But it is to be observed, that scorbutick ulcers are not classed with those which I have been speaking of. The proper method of treating them is set forth at large in Doctor Lind's treatise on the scurvy.

SECTION IH.

On the Venereal Difeafe.

I Purpofely omitted taking any notice of patients who had the Venereal Difeafe, either in the meteorological journal, or review of the fick lift, becaufe that difeafe is neither endemick, nor epidemick, but is contracted in all countries, and feafons, either by immediate contact with a difeafed perfon, or the matter difcharged from one that is difeafed being inferted into wounds, or fores of well people, or from the matter being applied to, or rubbed upon fome very fine, or delicate part of a found perfon. By one or other of which ways, healthy people in all places, of every age and fex, may be infected, though not with equal readinefs at all times.

Befides it is now become fo univerfal, that the method of curing it, which is generally by mercurials, is almost well known every where. As coadjutants to mercurials, decoctions of farfaparilla, and the woods are added, particularly in poxes. Bougies, in the cafes of old fufferers, frequently become neceffary in the cure.

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Some practitioners, with great confidence, recommend compositions to prevent infection from libidinous contact; but of those compositions, or their effects, I acknowledge myself ignorant.

Stamen now a days indeed, on board of his Majefty's fhips, are fo full of faving their fifteen fhillings, * that from their taking medicines of each others prefcriptions, and their putting off time in that manner, three of every four of them who complained on board of the Rainbow were poxes. But in a good habit of body, after having given a fingle dofe of phyfick—for I do not imagine that it is often neceffary to take away blood—when the patient complained in proper time, and was afterwards temperate in his living, I very feldom failed in curing a recent gonorrhæa with the following pill, administred every night, without the affistance of any thing elfe than demulcent drink, and abstinence from falt meat. R. Calomel, pp. Rad. Jalap. Pulv. ā gr. ii. panis mica madida fiat pilula, omni nocte fumenda.

In hot climates it will often be neceffary to unite Camphor with Mercurials, when they are continued any time; or to administer Camphor internally when the ointment is rubbed in, to prevent a falivation from being brought on. I have known a perfon to be thrown into a deep falivation when—to my knowledge—he had only taken five grains of Calomel in two days—two grains and a half one day, and the other two and a half the day following.

SECTION IV.

A TABLE shewing all the Diseases, and the number of Patients of each Disease in the three different Voyages of the Rainbow.

The first column contains the number of patients who died on board; the fecond contains the number of patients of each difease; and the third expresses the different difeases.

The

* That fum they are obliged to pay out of their wages to the Surgeon for curing them of the Venereal Difeafe.

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who died.	No. of the Patients of each Difeafe.	The different DISEASES of the three Voyages of his Majefty's Ship RAINBOW to the Coast of Africa, in the Years 1772, 1773, and 1774.
	62	Remitting fevers-a number of them mild-efpecially those which happen'd the two last voyages.
	11 I	Intermitting fevers-including the relapfed remitting fevers. Slow nervous fever.
		Catarrhous fevers.
		Slight fevers, including headachs, naulez, colds, and suppressed perspirations in hot climates.
		Slight fevers, including colds, headachs, and indifpolitions in a cold climate.
3	3	Anomalous cafes.
9	90	Dyfentery-many of them were mild and relapfes. DiarrhϾ.
		Bellyachs.
	1	Quinfey.
	4	Sore throats.
		Coughs.
	4	Afthma-one cafe relapfed three times; he came from the Weafel.
	.1	Hectick.
1	1	Vomica.
1	1	Hemoptofis.
	1	Hemorrhage.
	29	
1	1	Gout.
- 1	30	Scurvy, including the fcorbutick ulcers. Scrophula.
	1	Hypochondria.
	1	Epilepfy.
	1	
a is	4	
	i	Dimnefs of fight.
	2	
11	2	Nephritis.
1.5.5	4	Hæmorrhoides.
388	CONTRACTOR OF STREET,	Eruptions.
	2	Erylipelas. Excoriations.
		Scalds.
1	3	Strains.
19	47	Contufions.
153	5	Wounds.
118	3	Fractures.
	10	Inflummations.
	I	Parotis.
123	7	Abfceffes.
	5	Guinea worms-one of them relapfed feveral times, Mortification.
1	1	Ulcers.
	9	riftula in ano.
	21	Lame-flight complaints chiefly.
22	1	Weak.
2	2	Accidents.
	March 1997	

PART

PART IV.

A Practical Account of the FEVER and DYSENTERY.

CHAPTER I.

OF THE REMITTING FEVER.

SECTION I.

Arrangement of the Subject.

A LTHOUGH my defign does not render it neceffary that I should infert a general history of any of the diseases which fell under my observation on board of the Rainbow, yet as the Remitting Fever and the Dysentery were by far the most frequent and dangerous diseases that happened, it may not be altogether improper to give a more particular account of them, and of the method in which I treated them.

It is true, I have already given a very exact account of the Remitting Fever which occurred on board of the Weafel; and indeed I may even venture to fay, that it is a valuable one, becaufe, as I have before obferved, nature had, in a manner, her own courfe throughout the Fever, from my not having bark to administer in a proper quantity. But, besides other circumstances which produced a great difference between the Weafel's and the Rainbow's Fever, it will be agreeable to my Readers to observe what a stricking contrast there was between the events of both, which speaks much more powerfully in favour of the bark—as it was liberally made use of in curing the latter than any oratory whatever possibly could.

I shall therefore, first describe the symptoms of the Fever; secondly, deferibe two anomalous cases; thirdly, offer some observations on the Fever; fourthly, infert the method of cure; and lastly, set down a number of the cases, —dividing those different heads into Sections. With respect to the account of the Dysentery, I have nearly adhered to the same order.

I fhall

I shall not puzzle myself about all the different appellations which are beftowed on the Remitting Fever, according to the different types of its periods; for I suppose if a practitioner is only careful to watch his patients, and observe attentively the commencement, advancement, height, and declension of the paroxysm, with the particular symptoms, so as that he may be enabled to prefcribe for them with propriety, I think it will hardly be a matter of much confequence whether he always justly adapts Semitertian according to Hoffman's or Celfus's manner.

However, I would not wifh to be underflood that I condemn fuch accurate and nice diffinctions. But a practitioner muft be a long time converfant with the Fever, before he becomes acquainted with the regular operations of nature, from, feemingly fuch various and contrary ways; or be able to comprehend them fufficiently to apply those diffinctions with any degree of precifion. Befides, there is hardly a Phyfician, who if he was called upon to vifit a patient in the first paroxyfm of a Remitting Fever, could tell with certainty whether it would be a fimple, double, triple or femitertian, unlefs he continued with his patient until the period was ended; and even then he could fearcely afeertain what appearance the Fever would put on in its next period, because various circumstances might concur to alter the types thereof, from what they were in the first period—even fupposing no medicine had been given in either. So great then must be the difficulty of attaining a perfect knowledge of applying fuch diffinctions, not to mention those which are farther made from the fymptoms.

In the fubsequent account, I shall therefore still retain the term of a Remitting Fever, whatever types the periods may put on, because that is perfectly understood by every practitioner without any further explanation. Befides, it is already done by many learned and able Physicians; especially by Sir John Pringle, in his Observations on the Diseases of the Army; Doctor Lind in his book on Hot Climates; and Mr Cleghorn, in his Treatife on the Diseases of Minorca, who is remarkably particular on that head.

However, inflead of obferving the diurnal occurrences in the following account, I fhall be more particular with regard to the periods; the paroxyfms; and the fymptoms happening in each of them; becaufe, though in fact it will amount to one and the fame thing, I think I will be more clearly underftood by fo doing, which is all I wifh for.

SEC.

SECTION II.

The Remitting Fever described.

HE Remitting Fever generally began with a chillinefs; a fevere headach; a ficknefs at ftomach; and pains in all the bones, but efpecially in the loins.

But fome drooped feveral days before they were bad, were chilly, and hot alternately, and had rigours, the cold fit continuing twelve hours; fome without any fenfation of chillinefs, were at once feized with burning heat, profule fweats, and violent headachs. Together with the general fymptoms, fome were feized with a fixed pain in the fide, or breaft, affecting the refpiration; pains in the fhoulders; pains over the eyes; pain and opprefilon about the præcordia with wandering pains, and univerfal forenefs, and uneafinefs. Some were feized with a naufea, a bad tafte in the mouth, with a vomiting of bilious matter, fevere vomitings and purgings, a hemorrhage at the nofe, watery eyes, a headach, and univerfal illnefs, with great anxiety and defpondency, a fudden giddinefs and faintnefs only, and an obftinate coffivenefs; the fkins of fome, but particularly the palms of their hands, were exceffively hot and dry; and their thirft vehement.

Their pulfes varied according to the manner in which they were feized; in fome cafes they were flow and weak, in fome they were fmall and quick, and in others they were quick and ftrong.

In all thefe various ways did the fever commence. But if they were at first feized with a chilliness or rigours, a burning heat, great uncafiness and breathless fucceeded; the headach and pain of the loins became much more violent; fome of their countenances were greatly flushed; their eyes much inflamed; the reaching was more troublessome, and their thirst intense. Thus they continued, until a profuse swere or less: for in whatever manner they were first feized, except in the anomalous cafes to be described, the paroxysim terminated in a greater or less degree of fweat; and that varied much, both as to its duration and violence amongst them.

In the remiffion, they all complained of great laffitude and weaknefs, of pains, and forenefs of their bones, giddinefs, and lofs of appetite. Their pulfes were rather more languid than a healthy perfon's; and though their fkins were now much cooler, they continued very thirfty; but either as to its calmnefs or duration, it varied amongft them, as much as the preceding paroxyfm had done. Indeed, to fuch a degree did they both vary, that not in any two patients were they exactly fimilar.

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Some, after having fweated a little only, which hardly alleviated their complaints, continued quite uneafy, until the next paroxyfm, by terminating in a profuse fweat, relieved them; so that they in a manner had two paroxysms before there was a remiffion.

The fecond paroxyfm, which in fome patients was preceded by rigours, was in every one more violent than the first. The headach and lumbago were particularly vehement; the latter in fome, extending quite round the abdomen, which was painful when touched, and very tenfe; fome were delirious; pains of the breaft and fide were very acute, the latter extending as low as the leg; fome had great oppreffion about the præcordia, bilious vomitings and purgings, and idle notions, with fear of falling afleep, were very troublefome, as was a hæmorrhage at the nofe, and a fenfation of chillinefs during the whole paroxyfm. Their pulfes were irregular, and their fkins imprefied a difagreeable fendation on the fingers. In a few cafes I observed, as before, instead of one, there were two paroxysms, or a double one. But every one in whofe cafe a remiffion was evident, had two paroxyfms within the first period, or forty-eight hours, a few only exceeding that time by three or four hours. In two patients there was only one paroxyfm which continued nearly the whole period. As to the paroxyfms, the first was of longest duration in fome, and the fecond in others; but neither of them exceeded twentyfour hours, except the two mentioned.

The preceding paroxism left them all very weak, anxious, and dejected, with a burning heat in the palms of their hands, and foles of their feet; a lofs of tafte, or a bitter tafte in their mouths, and infatiable thirst. The remiffion continued longer, and was more diffinct in fome than in other cafes. With one perfon it was nearly the whole period, which proved to be only a very deceitful receffion, for he had two very violent paroxyfins the period following.

In the fecond period, a few patients had one long and two fhort paroxysms--- fome one long and one short--- and others had but one paroxysm, which was of longer duration in fome cafes than in others. So much they continued to vary, and even in the fame patient the hour of commencement was altered; and in the paroxyfms, which were fill preceded by chillinefs, befides the former fymptoms, there were troublefome coughs; during which especially the head seemed to open and shut; a stricture and pain over the eyes and at the bottoms of the orbits; great difficulty in breathing from weight and oppreffion about the præcordia, together with faintnefs; frequent and deep fighs; the abdomen was fwelled and conftipated : fome had a difuria, and the urine was very finall in quantity and quite turbid, which indeed occurred in the former period in one cafe; a bilious vomiting and purging in the place of a paroxyfin; and a very profule hæmorrhage at the nofe

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The paroxyfms in a few cafes ended with bilious ftools and a moderate fweat; but generally, as before, in a profule fweat. One or two had a very mild period. During the remiffions, which as ufual varied in their duration; they were all much weaker; nothing pleafed their tafte; none of them would fwallow any food; their giddinefs was greater; and fome of them were faintifh on the leaft motion.

In the third, as well as in the former periods, fome patients had only one, fome two, fome had three, and fome even four paroxyims, which were preceded by a griping. Many new and more dangerous lymptoms appeared too. They who were not feemingly fo bad hitherto, were much weaker, and their fpirits more depressed than others whose paroxysms had been apparently more violent; a coma; an immoderate discharge of urine: some who had no pains before, were feized with acute ones, and flraitnefs in the fides and breaft, much pain about the fcrobiculum cordis, with great anxiety, depreffion, and defpondency. Their pains who had any before, now extended more and more. Coughs were more general, with a wheezing and great difficulty of breathing. Partial, angry, prickly heat, like eruptions, appeared. The tongues in fome were white and dry; in others hufky, and the teeth covered with black fordes ; a pain about the throat, which rendered deglutition difficult; the flushing of their countenances was greater; their pulses were more irregular, and all the other fymptoms were greatly increased. There was an obvious privation of the fenfes, and of all motion, except a convultive one about the mouth, cold extremities, clammy cold fweats, a tremulous thready pulfe, and a fubfultus tendinum; the imprefiion on the fingers from feeling the pulfe was more difagreeable, and continued longer.

The remiffions in the third period were very imperfect; and, befides the former complaints, which were all feverer, they were extremely weak and quite faint; but the remiffion preceding the fourth period was much more diffinct, and of longer duration that any one before.

In the fourth period, a few only had two paroxyfms, which were mild; and feveral had none at all; but they ftill had a conftant fmall fever, with giddinefs; a lumbago; proftration of ftrength, and faintnefs; and a few had cold fweats on them. Their medicines puked fome, and purged a greater number. Eruptions broke out about their mouths.

Even in the fifth period, one or two patients had very flight paroxyfms.

The preceding is a very exact account of all the bad Remitting Fevers which occurred during the three voyages, except two cafes which I shall defcribe under the term of *Anomalous*, before I proceed to make any observations,

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of He was more remains than we had been any might ; he

ons, as they differed widely from all the reft, notwithstanding they were one and the fame Fever.

SEC. III.

ANOMALOUS CASES of the REMITTING FEVER, in which the Symptoms are inferted diurnally, for obvious Reafons.

M. R. aged about forty years, a ftrong man of a middle fize, and florid . complexion, who very feldom in his life had been ailing, complained, after drooping a few days, on the evening of the 28th of April, lat. at noon 01°. 12"S. of a headach; pains in all his limbs and bones, * with thirft. 29th and 1ft of his illnefs, a. m. he was fick at his ftomach; his former complaints were rather more troublefome; his fkin was difagreeable to the touch, though not extremely hot; his pulfe was quicker than in a natural flate; his tongue white; with a proftration of his ftrength and fpirits. P. M. his puke operated. He was very anxious and much afraid.

2d. He had a bad night's reft; he was coftive; his head was light, and rather giddy; he wandered a little; he was nice about triffes; his urine was high coloured with whitish fibres in it; his pulse was irregular; but he had no fevere complaint, though he was greatly afraid of dying.

3d. His countenance was flushed and rather wild after having been much troubled with inquietude in the night, and fear of falling asleep from idle notions plaguing him; his head was more light and giddy, notwithstanding he had a number of copious fetid stools, and complained little. His pulse and skin continued much the same; and his urine was paler without cloud or fediment.

4th. He pafied a very reftlefs night; his fkin was quite dry; fometimes he had a pain for a little in his right leg; he complained very little, only by expreffing his defpondency; and his urine was ftill more pale P. m. there was a fmall cloud at the top of the glafs, but in the night there was no figm of one in his urine, which was very pale. He had two copious ftools; and from his looks, fpectators imagined there was very little the matter with him.

5th. He had an exceeding uneafy night; he fighed frequently; his pulfe was fofter and flower than natural; his fkin was dry and rather hot; his tongue was white and fcabrous; and his urine was pale with filaments in it. When he was quiet, he lay with his hands folded over the thorax, and frequently clapped the fcrobiculum cordis with his right hand; and when he was fpoke to he raifed himfelf fuddenly upon one of his elbows. P.m. He

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· This was his own Phrase.

complained very little, flept for a fhort time, and awoke frightened; he had a copious ftool, and his urine was full of clear, finall air bubbles.

6. He was more reftlefs than he had been any night; he wandered much, talked conftanly of dying; his fkin was dry, hot, and difagreeable to the touch; a prickly heat like eruption broke out on his breaft and neck, and his urine was of a bright amber colour without either cloud or fediment. P. m. He wandered more, and was extremely reftlefs. At midnight he was quiet, and had no complaint, but he fwallowed his medicine in an unufual manner, refufed to take all of it, and his fpirits were feemingly very much agitated : after which he lay down as to fleep, but died at 5 a. m. on the 7th day of his illnefs. — He had a copious ftool the 6th day.----From firft to laft there was no remiffion. For the manner in which he was treated, fee the review of the fick lift May 1772.

M. F. aged about fixteen, never had been in a hot climate before, after drooping a confiderable time, complained the 31ft July p. m. lat. at noon 34° 58' of a loss of appitite, headach, and fickness at stomach. His pulse too was quicker than natural. 2d Day of his illness, his complaints were rather easier, but he was still feveriss. 3. He would not take the medicines which were preferibed for him; faid that he was pretty well, and would go on deck. 4. He made no complaints, nor would take his medicine, though he was entreated. 5. He complained of being unwell, and very costive. P m. He was well purged. 6. He found himself better, though he was still a little feveriss, and had no moiss fur on his skin; but he was not thirsty.

7. He got cold, complained again of his headach, and fickness at stomach. His tongue was white, his skin hot and dry, and his pulse was quick and hard. P. m. His pulse was much quicker and harder, nevertheless he became faintish upon losing about five ounces of blood. 8. He raved in the night, his pulse was softer and not so quick; his headach, and fickness at stomach continued; his skin was hot and dry, and he was now thirsty.

9. He was very irregular in his living. A. m. he complained of his blifter only. which prevented him from fleeping in the night; he was very giddy when out of bed, p. m, and began to rave. His medicine procured him a number of copious ftools.

10. He flept, and perfpired a little, but was not refreshed. His skin became hot and dry; he complained of nothing, nor had either thirst or appetite; his tongue was white, and a disagreeable sensation remained on the fingers for some time after seeling his pulle. P. m. He was very restles, delirious, he looked frequently at his hands, and bit his nails. 11. He was quieter and slept two hours a. m; he awoke and vomited what he had eat the preceding day at noon, as entire and indigested as when he swallowed it; again dropped to sleep, but denied that he had flept any when he awoke; he was more more delirious, and reftless, particularly with his hands; his legs and feet were cold, yet he complained of nothing. P. m. After taking Doctor James's powder, he had a profuse clammy sweat on him, made some high coloured urine, which deposited a lateritious fediment, and had several convulsive rigours, which continued some minutes.

12. He had a very bad night, being troubled with great inquietude; he had a profuse clammy fweat on him again from Doctor James's powder, but was no way relieved. P. m. He roared out, though he denied that he had any pain, and had convulsive twitches at times. At night his skin was dry and hot, his pulse was soft and irregular, and his tongue was swelled, white, and foul.

13. He had no reft in the night, though he perfpired; his pulfe was very fmall; he was very weak, but fenfible, and eat a little feveral times; his tongue was covered with a black coat, he fpat a little blood, and had an involuntary difcharge of urine--whether the laft fymptom proceeded from his blifters or not, is a doubt with me.

14. He spent the night as usual. A. m. he spat a little more blood, and a few drops fell from his nose; the involuntary discharge of urine continued; he had partial sweats; his skin was very disagreeable to the touch, and his pulse was very small and irregular. The abdomen though conflipated was neither swelled, tense, nor painful upon being pressed; yet he seemed to seel great pain upon introducing the pipe of the clyster syringe into the anus with the greatest care; and a very small quantity of the injection could be thrown up at a time, from an obstruction in the rectum. At 8 p. m. he died of a return of his convulsive rigours.

SECTION IV.

THE VERSION DATES

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Observations on the Remitting Fever.

THE odd days 3, 5, 7, and fo on, were remarkable for more paroxyfms happening on them, for their continuing longer, and for their violence. The ceffation of the fever and fymptoms on the 3d and 4th days was very deceitful; for an exacerbation of both returned on the 5th. The calm which happened on the 6th day, and was followed by an exacerbation of both fever and fymptoms on the 7th, proved fatal. Imminent danger attended an obftinate coftivenels throughout the fever. Defpondency was an exceeding dangerous fymptom. The cafe proved extremely bad wherein the patient was feized with fudden giddinels and faintnels. The ficknels at ftomach which continued until the 11th day was mortal. Spitting a little blood, and a few drops falling from the nofe, proved mortal, as *Clegborn* juftly obferved. Nor was the event more favourable where there was no natural evacuation, but fuch as was forced

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by medicines. Urine which was high coloured, in finall quantity, and depofited a lateritious fediment, proved fatal. The cafe was equally dangerous when the urine was pale, deposited no fediment, but contained filaments or fmall clear air bubbles.

But of all the prognofticks, which I have yet been able to form in remitting fevers, that was the most fatal---when the patient thought himfelf too well to be in bed, but was not clever, as he expressed himfelf; and when he was anxious, uneasy, and had hardly any complaint, though he was evidently not recovering. Roaring out without having any pain, and convulsive rigours, followed the use of Doctor James's fever powder, on the 11th day in the last anomalous case; but I will not take upon me to say that these symptoms were the consequence of that *mysterious* powder; notwithstanding I must say in justice to the publick, that upon the fairest trials, which I have repeatedly made between that powder and the Tartar Emetick, given in simple water only, the latter always proved to be the most effectual remedy, though it is on a moderate calculation a thousand times cheaper than the former.

With respect to the critical days, one died on the 7th, and the other on the 14th. All the other cases were cured by bark.

SECTION V.

Method of Cure.

ETTING more or lefs blood in the beginning of remitting fevers, is not only practifed, but recommended as abfolutely neceffary by many eminent phylicians; whilft others of equal eminence, from their inculcating the utmoft degree of caution, and recommending the flricteft frugality in taking away blood, feem tacitly to condemn the practice altogether.

When the first or second Paroxiyms are extremely violent, the pulse firong and quick, or firong and much oppressed, the eyes much inflamed, the skin extremely hot, when there are fixed acute pains about the thorax; the patient too very athletic, and lately arrived from a cold climate--essed effective ef portion than their *folids* are relaxed, who are feized with fevers foon after their arrival in hot climates, particularly on the coaft of Africa, where the air, efpecially in the fickly parts, is always hazy and moift, notwithftanding the fun fhines, with heavy dews in the night, which amazingly deprefies the fpirits even of those who are well, as I have taken notice of in the meteorological journal,

Before I went on that coaft, I learned from observation in the West Indies, and at Penfacola, that the taking away of blood in remitting fevers, was hardly of any fervice; and that, I own, had greater weight with me than any theory whatever. I must own too I am of opinion, that the benefit which fome practitioners attribute to opening the venæ faphenæ, has been chiefly owing to the pediluvium made use of upon the occasion, and not to the quantity of blood which was taken away.

For those reasons, I was very cautious in using my lancet in the cure of the fever; and although I never did let blood * but in the St: Jago fever, when we were only just arrived in a hot climate, in two cafes of the Sierra Leon fever, and in the last anomalous cafe---for which I thought I had fufficient ground, as we were then in latitude, 40° 03"---yet none of them were the better for it, nor could bear the loss of a very few ounces without becoming faintish, except one of the cafes of the Sierra Leon fever, and he was subject to maniacal complaints. I ordered twelve ounces only to be taken from him; and upon weighing it afterwards, there were full fixteen ounces taken away; however, he bore it well, and to a great advantage.

From hence, the great impropriety of paying much attention to the moft fpecious theory in favour of blood letting in remitting fevers of hot climates, is fufficiently obvious.

Any precaution that might have appeared neceffary for me to have taken with my patients during the different stages of the first paroxysm---especially the cold one when it happened, was prevented by their feldom complaining until it was quite over.

The first step therefore, which I generally took towards the cure, was to give an emetick. But though nature points out the necessity for that evacuation, either by reachings to vomit, or a fickness at stomach, fome practitioners wholly condemn it. However, their objections, as they are only the offspring of a favourite theory, do not deferve ferious attention. The quantity of bile which is always brought up therewith, not to mention the other advantages which it is productive of; will always render it necessary in the opinion of them who are guided by cool reflection.

If

* The remitting fever of December 1772, is no exception to this rule, because it happened in a cold climate.

If I did not fee my patient during the first paroxysin, I always gave it before the second commenced; otherwise I ordered it either in the cold or hot stage, but omitted giving it until the paroxysin was ended, if the sweat had broke out before I was called; preferibing in such cases, only plenty of sub-

broke out before I was called; prefcribing in fuch cafes, only plenty of fubacid diluting drink, neither hot, nor quite cold, to promote it, and the urinary difcharge, as well as to allay the patient's thirft. When there were no fuch regular ftages during the paroxyfm, as too generally was the cafe, I gave the vomit as foon as I was called upon, after the fame manner as in the Weafels fever, (See page 16th) which was wrought off with warm water, barley water, or very thin gruel. Befides operating by vomit, it likewife procured the patient a copious flool or two, promoted a free perfpiration, and more fpeedily terminated the paroxyfm (when it was given in either of the two firft ftages thereof) than happened in fuch cafes as did not complain until the fweat had broken out; then I only allowed them drink until the remiflion, when the vomit was adminiftered.

If it was in the evening they took it, I prefcribed in an hour and an half, or two hours after, a faline draught with more or lefs of the effen. antimon. according to the age of the patient and other circumflances, and plenty of fage tea or barley water, either acidulated, or with fal. nitr. and his purge the morning following.

But when the vomit was administered in the morning, whether it procured one or two stools, I generally ordered the purge to be given in two, hours after its operation; which was an ounce of the fal. cathart. amar. diffolved in half a pint of thin gruel or barley water, divided into four parts, and one of them given every half hour; for as the stomach was not only loaded with bile, but the intestines likewise with bilious *Saburra*, I thought that they never could be too foon emptied of their noxious contents, which that method always effected in a mild and gentle way; and indeed I found it necessary fometimes to repeat both those evacuations, particularly the purge in the course of the fever.

Of all the authors who have publifhed their fentiments concerning the method of treating the remmitting fever, which I have met with, though they differ in opinion with respect to bleeding and vomiting, not one of them condemns purging; the advantages arising therefrom being too obvious to admit of any theoretical dispute, or a hefitation concerning the propriety of it. Indeed it is associated in a hefitation concerning the propriety of it. Indeed it is associated by purges, and sometimes without their affistance, to the great relief of the patients. In some cafes they never have a stool, unless laxatives are daily administered; and what would be the confequence, if the putrid Saburra was pent up in the intess throughout the fever.

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Though purging is abfolutely neceffary, I apprehend that the most dangerous confequences would enfue from the use of *drastick* purges, I therefore made use of no other, than either the fal. cath. amar. or glauber. generally alone, because manna is by much too expensive for common use on board of his Majesty's ships. Tamarind beverage generally proved not only an agreeable drink, but likewise a laxative; by which therefore, too very material advantages were frequently obtained. It no doubt would be most proper to administer the purge in a remission, but they were so short and imperfect generally, as well as uncertain, that I very feldom waited for one; and therefore gave it soon after the operation of the emetick was over, as I have already mentioned, or the morning following; and a faline draught * with effen. antimon. at night.

Notwithstanding the indifference with which faline draughts are made mention of by fome authors, I found them a most useful vehicle for the est. antimon. or tart. emet .--- without one or other of these antimonials, I never gave them in the fever --- as well as ferviceable in affifting to allay the thirft. They were made after the usual manner, and well diluted, and the antimonials added in fuch proportions, with or without fal. nitr. as I judged proper; but in some cases, I preferred the sp. Mindereri to the draughts to which the antimonials were always joined. I gave a large spoonful of one or other of them every hour, or every two hours; and I am certain, that that medicine frequently shortened the paroxysin, by promoting freely the urinary difcharges, as well as cutaneous. During the remifion it was given much feldomer. Sometimes I gave camphor, though it feldom agreed with the patient in any form, and at others, the pulv. contrayerv. com. but I found them of no material fervice. When the headach was violent, the tinct. theb. given after Doctor Lind's method; was ferviceable for a time, especially if the pediluvium was joined to its affistance; tho' for that purpole, blifters were by far the most effectual remedy.

However, without bark there was no cure; for the only two who died took none, for the reafons which I have already mentioned. I always adminiftered it in fubftance, to the quantity of one drachm, one and an half, or two drachms, which I never exceeded for a dofe, nor ever ordered it feldomer or oftner than once an hour. Sometimes I gave the tincture along with it; but the dofe was not diminifhed. When I first began giving it, the ftomach was fo weak, as not to be able to retain it in water alone, I therefore added either tinct. cort. peruv. Huxham, gii. a fpoonful or two of wine, or tinct. theb. gr. x. to every one or two dofes, until the ftomach thereby acquired fufficient ftrength to retain it in water only, which commonly was after fix or feven dofes.

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* It was always made with vegetable acid when I had it, and likewife added to their drink.

Though my manner of giving it, was far from being an elegant one, I have the fatisfaction to fay, that it never failed me once, amongst all the cafes of the remitting fever, wherein I made trial of it on board the Rainbow. I mixed an ounce of the powder in twelve ounces or three gills of fimple water, and ordered that quantity to be given in eight hours; an ounce and an half was mixed in a pint of water, which was ordered to be taken in the fame time, when I wanted to give a drachm and a half every hour; and when I ordered two drachms of it every hour, two ounces were mixed up in five gills of water, and given in eight dofes-fometimes a little elixir of vitriol was added-and the patient's mouth was washed with a little of his drink, which he fwallowed after every dofe. Whatever be the vehicle that it is to be given in on board of a ship, it is absolutely necessary to mix it up before it be delivered into the charge of the attendants; for to give it out to them in papers, in fingle dofes, would not only almost employ one perfon constantly to weight them, and make them up, if there were many patients, but the attendants, fuppoling they were very careful, would be liable to lofe fome of the paperswholly, and a part of every one in mixing them up, from the motion of the fhip; both of which inconveniencies are obviated, by mixing up a quantity at once, and putting it into a bottle, that can be fafely difposed of feveral ways; and let me repeat, that fuch a precaution, fimple as it is, is well worth attending to for various reafons.

As to the time of my beginning to administer it, I thought proper to vary it in different patients; but I never began before the end of the first period, or third day. After I did begin, I continued to give it regularly every hour, unlefs the violence of the paroxyfms obliged me to omit a few hours, until I was fure that there was no danger of the fever returning, and in the night as well as the day. For I judged it more expedient to employ the time in administering the fure means of foon procuring them a quiet and refreshing fleep, than to allow them to waste it in reftless flumbers. On board of the Weafel, in two cafes of the fever, a remission was introduced by found fleep, which never happened in the fever on board of the Rainbow.

The number of dofes was then gradually leffened to once every two, three, four and fix hours. After they arrived at a convalefcent flate, I gave them either a ftrong decochion of the bark, with elix. vitr. or an infufion thereof, with rad. ferp. virg. gentian. & cort. aurant. in wine, twice or thrice a day, until they were perfectly recovered, which was in an amazing flort time, confidering how every ill many of them were.

During the cure, I fometimes added the fal. cath. amar. with the bark, when the patient was coffive, though it very feldom failed to procure one or more copious ftools at first; and when it brought on a diarrhæa, I added the the tinct. theb. along with it, which was very feldom the cafe; or if vomiting happened therefrom.*

The dietary part had no fhare in the cure, except in fome very mild cafes, for I never could get the fick to take any thing of food, unlefs their drink, and medicine be reckoned fuch, until the fever was fubdued. I am therefore furprized at fome practitioners of eminence, who fpeak of breakfaft, dinner, and fupper, for their patients during the fever, as if they could really be perfuaded or prevailed upon to take regular meals. After they began to take a little food, till they were pretty well recovered, inftead of getting them---or the fick in any acute difeafe---to take their meals regularly, I was contented always to indulge them every now and then with a little, as they had an inclination.

The diet for the fick on board of his Majcfty's fhips, as well as for the well people, as Doctor Lind has obferved, far excels what is allowed in any other fervice. The former is entirely under the direction of the furgeon, and confifts chiefly of fago, rice gruel, water gruel, and panado, to which wine and fpices are occafionally added, + and portable broth with barley, befides what the captain and officers fend them from their tables; and fifh, when they can be caught with fcenes, or hooks and lines---every fhip being fupplied with one or two of the former, and a proportion of the latter, according to the num-ber of her men, and the ftation fhe is fent upon.

Before I clofe this head, I cannot help making mention of a circu nftance which I obferved amongft the fick people, when the fever raged on board; and though it may feem trivial to fome folks, it is feldom to be met with amongft feamen, or perhaps fhore patients——A vifible fatisfaction appeared in their countenances, when I began to give them the bark; and even they, with whom it difagreed, took it with chearfulnefs—This was certainly owing to their own obfervation of its falutary effects, in the cafes of their fellow fufferers.

SECTION VI.

Cafes of the Fever.

C A S E I. At St. Jago.

JOHN Everet, marine, aged about thirty, on February the 3d, 1772, when fentinel over the water on the booms, the night after anchoring in Praya Bay,

* For further obfervations concerning the bark, fee the poltfcript.

+ Flower and water well boiled, thin, with a little wine, fugar and cinnamon added to it, makes a good mefs.

Bay, at the island of St. Jago, was feized with a chillinefs, which was fucceeded by alternate heats and rigours, that continued eight hours; he became very hot then; he had a vehement headach; his bones, particularly his loins, pained him much; and he was very thirsty. A profuse fweat broke out on him, in about three hours after, which eased him, he faid. At noon following,

ift Of his illnefs, a paroxyfm returned without any chillinefs, and p. m. he complained of a violent headach; all his other complaints were much feverer; and his pulfe was full and quick. Near ten ounces of blood were took from him, which made him faintifh, and an emetick prefcribed for him in four hours after, that brought much bile off his ftomach, gave him feveral copious ftools, and promoted a free perfpiration; neverthelefs, the paroxyfm was not ended before midnight.

2d. He was pretty cool, but complained of great profiration of firength; univerfal pain; and lofs of appetite. I prefcribed the elix. vitr. twice, and a faline draught with effen. antimon. and fubacid drink at night.

3d. At midnight a proxyfm returned, and remitted at 6 a.m. Another paroxyfm returned at noon which continued only about four hours; and though neither of them were fo violent as the preceding ones, he complained of much greater weaknefs, and giddinefs in the remiffions; and his pulle was fmall and quick. I repeated his draught as the preceding night, every four hours.

4th. A. m. he had a fhort paroxyfm preceded by rigours; he was very feverifh, thirfty, and, with his former complaints, had a pain in his right fide all day. He continued his faline medicine as before.

5th. He awoke at four, a. m. in a profuse fweat, quite languid, and dejected. I ordered him a drahm of bark every hour. At ten, a. m. his fever and complaints returned with more violence than ever; and the pain of his fide extended down to his knee. During the paroxysm he took his antimonial medicine as usual.

6th. The fever continued all day with burning heat in the palms of his hands and foles of his feet. I ordered him tart. emet. gr. $\frac{1}{4}$, every two hours, which purged him feveral times.

7th. At midnight a fhort exacerbation came on, and the fever continued all day. I prefcribed his bark again, with a little elix. vitr. and he took an ounce and a half, which fat eafy on his ftomach.

8th. He complained of weakness only, and took the same quantity of bark as on the 7th.

9th, 10th, 11th, 12th, 13th, 14th, and 15th. He continued recovering, and took half an ounce of bark daily. On the 16th day he returned well to duty; and took the decoction of bark twice a day for fome time after.

CASE

3d. He was much better, baffaculd potsell me githet when er in what man-

Andrew Thompson, a strong healthy seaman, aged about 36 years, was took ill the 3d of February, p. m. while at work on the fhrouds, but complained only on the 5th, when his headach, and pain of his loins. were violent; he was very giddy at times, and his pulfe was quick and full. He had been very hot, and fweated profusely from his first being feized, in Praya Bay, St. Jago. I ordered ten ounces of blood to be taken from him, by which the pulfe was much lowered, and he was faintifh; an emetick in three hours after; and a faline draught with the antimonial at night.

2d Day of his complaining, he refted very indifferently, and his headach and thirst still continued; though his loins were easier. I prefcribed a dole of falts for him, which operated well. At 4 p. m. an exacerbation came on, and at night he took his antimonial draught with refrigerating drink.

3d. The paroxyim remitted at midnight. Though his fkin was pretty cool his headach continued without any inclination for food; and he was very weak and thirfty. The antimonial mixture was ordered him every four hours. 4th. He refted better, and was eafy in the morning. At 6 p. m. his fever

and complaints returned. I repeated his medicine and drink. 5th. He complained lefs, but his fever and thirft continued. I ordered him a drachm of the bark every hour, which agreed very well with him.

6th. Weaknefs was his only complaint; and he continued his bark.

7th, and 8th. He took only half an ounce of his bark each day, and would return to his duty the 9th. I ordered him the decoction with elixir of vitriol twice a day, for fome time after.

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The Sierra Leon Fever.

John Stringer, marine, aged about 32, a very lifeless creature, who never vas in a hot climate before, and had been drooping fome days, comlained on the 27th of February---Lat. at noon, 08° 13"--- of a headach, licknefs at ftomach, and univerfal pains. I ordered him an emetick which operated well, and an antimonial draught with acidulated drink at night.

2d. He refted indifferently, with a weakness and fevere pain in his knees; his thirft was urgent, his tongue white, and his pulle fuller and quicker than natural. I preferibed a dole of falts for him, and the antimonial medicine at night with his drink. ande was delected, and his pulle

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3d. He was much better, but could not tell me either when, or in what manner the fever remitted. However, he complained of weaknefs, of heat in the palms of his hands, and foles of his feet, and of a bad tafte in his mouth. I ordered him the antimonial medicine three times.

4th. He continued better, though he was both feverifh and coffive. I gave him fix drahms of the fal. cath. amar. which purged him; and his draught at night as ufual.

5th, A. m. a fevere paroxyfin returned, he knew not when; his headach was fo violent that it feemed to open and fhut; the pain of his loins was very acute with great proftration of ftrength and fpirits; his tongue was white and foul; and his thirft infatiable. P. m. the fever remitted by a profuse perfpiration, and left him quite languid and giddy, with his ufual complaints feverer. I ordered him a faline draught with tart. emet. gr. fs. every three hours during the paroxyfin, and then his ufual medicine with drink.

6th. He had a very reftlefs night; he generally lay on his back, with his hands folded over the fcrobiculum cordis; where he complained of great oppreffion, and of being extremely weak. He could not tell me when he became worfe. At 6 a. m. there was a fmall remiffion, his tongue was brown and rough, and his countenance fallow and much fallen. P. m. he was rather better, and his tongue cleaner. 1 ordered him his antimonial mixture every four hours, and drink as ufual.

7th. At 4 a. m. a paroxyfm returned with increafed violence, and continued all day; p. m. he raved at times, and had a ftupor on him. A large blifter was applied between his fhoulders, and his medicine repeated as before.

8th. The fever remitted a little in the night, and left him quite languid. I ordered the bark for him, a drachm every hour, which was not regularly administered. 9th. He had a short paroxysm in the night; and continued taking his bark, with elix. vitr. every two hours only, which agreed very well with him, 3is. for a dose. He never had another paroxysm, though he continued weak until the 20th of April, during which time, he took a great deal of bark.

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John Wakefield, marine, aged about 40, was feized the fame day as the preceding cafe, at 4 a. m. with a headach, ficknefs at ftomach, and univerfal pains and forenefs. When he complained on the 29th of February, p. m. he found himfelf worfe; both his fpirits and ftrength were much proftrated, his countenance was dejected, and his pulfe was quick and fmall. I prefcribed feribed an emetick for him, and an antimonial draught with fubacid drink at night.

2d Day of his complaining, he had a very indifferent night, all his complaints continued; he had a bitter tafte in his mouth, and was very thirfty. I gave him a dofe of falts, which purged him, and his draught at night as before. 3d. At 2 a. m. a violent exacerbation came on; fear and wild notions-

3d. At 2 a. m. a violent chaecerotation end of a pain over his eyes, and prevented him from fleep; he had a ftricture and pain over his eyes, and at the bottoms of the orbits; his thirft was infatiable, and he raved much. I applied a large blifter between his fhoulders, put his feet and legs in warm water, and gave him tart. emet. gr. fs. in a faline draught, with tinct. theb. gt. xv. every four hours, and acidulated his drink with lime juice.

4th. About 2 a. m. there was a flight remiffion; yet his thirst continued, his tongue was white and rough, the palms of his hands, and soles of his feet, were difagreeably hot; he was very giddy, quite languid, and had no appetite. His medicine vomited and purged him too, which was the antimonial draught, faline mixture and eff. antimon.

5th. A fevere paroxyfm, with a bilious vomiting and purging, came on at midnight, the former of which continued all the night. I ordered him the following draught every two hours, with water and a toast for drink: R. tinct. cort. peruv. Huxham. 3iii. tinct. thebaic. gt. xii. aq. fimp. 3ifs, faceh. alb. ad gratum faporem. 6th. He had a tolerable night, and was much cafier a. m. though quite feeble and dejected. I ordered him a drachm of the cortex every hour; and as his stomach would not retain it, I added tinct. theb. gt. x. to each dofe, it agreed very indifferently with him.

7th. He was pretty eafy all night; but had cold fweats over him, and his pulfe was finall and very irregular. I ordered him a drachm of the cortex every hour, in the form of an electuary; and tinct. cort. peruv. Hux. 3ii. aq. fimp. 3i. facch. alb. q. f. after every dole, to wafh it down, which agreed tolerably with him, having puked it feldom. 8th. He had an indifferent night, and was no way better. I gave him the medicine, as prefcribed the 5th p. m. His medicine run off by ftool, and he complained of nothing, although he was evidently worfe.

9th. He refted better than ufual, his medicine having been continued all night, and a. m. he was hungry and eat a little thin fago with wine now and then. I ordered him a drachm and a half of the bark every hour, with red port and water, which agreed very well with him, and ftopped the purging. His pulfe was much firmer.

10th. He refted well, and a. m. only complained of weaknefs. His bark was continued, as on the 9th, and he had no relapfe. He continued taking the bark, until the 29th of March, when he returned to his duty quite well; the number of dofes, ana 5i. was gradually diminished in the day, as he acquired quired frength. The method of treatment in the preceding cafe, is an exception to the general one.

CASEV.

William Turner, feaman, aged about 34, who came from a merchant fhip at Sierra Leon, was feized on the 29th February, at 2 p. m. latitude at noon 06° 40″ N. with a chillinefs and headach. At 6 p. m. when he complained his headach was violent, his eyes watered much, and he had a fevere pain in his right fide. As he was a ftrong man and his pulfe full, I ordered fix ounces of blood to be taken away, which he bore ill---and an antimonial draught with fubacid drink at night, to be repeated every three hours during the paroxyfm.

2d. At 5 a. m. the paroxysm abated; but his headach, and pain of his fide continued, with thirst and fickness at stomach. I prescribed an emetick for him, which operated well, and procured him two copious stools; and gave him his draught at night.

3d. At 2 a. m. a paroxyfm returned with increased violence, the pain of his fide extending to his leg, his pulse was quick and full, his tongue was white, his thirst infatiable, and he raved much. About 5 p. m. there was a flight remission, his complaints being very little alleviated. I ordered tart. emet. gr. fs. tinct. theb. gt. xv. mist. salin. Zi. m. every three hours, and the pediluvium during the paroxyfm.

4th. He refted very ill from the pain of his fide; a difficulty of breathing, and univerfal uneafinefs. He was coffive too, and the abdomen tumid. I ordered him fal. cath. amar. 3i. diffolved in a little thin gruel, and to be repeated every hour, until he had feveral copious ftools, which relieved him much. At night he took his draught as ufual.

5th. He had a very reftlefs night, from a bilious vomiting and purging. I prefcribed the tinct. cort. peruv. and tinct. theb. as in the preceding cafe, with water and toaft for his drink. 6th. About eleven in the night, a violent exacerbation came on with great inquietude; much pain and oppreffion about the præcordia, a fhort frequent cough, a wheezing and laborious breathing, and wild notions and dreams; and all his former complaints, except the vomiting and purging, were greatly increafed: The pediluvium was repeated, a blifter applied between his fhoulders, and camphor. gr. v. with his antimonial medicine, and drink was adminiftered every three hours.

7th. He was much easier, tho' his spirits and strength were much exhausted; he was very thirsty, and complained of a burning heat in the palms of his hands, and soles of his feet. I ordered him a drachm of the cortex

every

every hour, which fat eafy on his stomach, until a paroxysm returned p. m. nevertheles it was continued.

8th. He reached with his bark feveral times in the night. I ordered tinct. theb. gt. x. to be added to every dofe, which kept it on his flomach. From 4 to 10 p. m. he had a paroxyfin, during which the bark was continued.

9th. The prickly heat broke out on him, and he found himfelf hungry. I ordered him the bark alone, which agreed very well with him, and a little fago with wine now and then as he chofe it. He had no return of his fever again: he continued taking bark, until he returned to duty on the 29th of March.

CASE VI.

M. S. aged about 30, who had never been in a hot climate before, after drooping fome days, and having been much afraid of ficknefs from lying ashore at Sierra Leon, was took at m. on the 2d of March, latitude observed 05° 40" with a chilliness and reaching that continued some hours, and was fucceeded by great heat, a fevere headach, pain in his loins, laffitude, despondencey, a flushing of his countenance, and thirst. His pulse was very quick, though rather fofter than natural. It being late when he complained, I only ordered the common antimonial draught every two hours, and acidulated drink. 1ft day, His fever remitted a little in the night; yet he complained of great profration of ftrength, giddinefs and dejection. I ordered him an emetick, which operated very well both by vomit and ftool. At 10 p.m. a paroxfym came on with increafed violence, the headach and a pain over his eyes, which were much inflamed, and at the bottoms of the orbits very fevere; and the lumbago reached quite round the abdomen. I prefcribed the antimonial medicine, as when he first complained, with his drink.

2d. He had a very reftlefs night from a purging; univerfal uneafinefs and pains, efpecially in his head and loins; an infatiable thirft, and a very dry hot fkin, together with his other complaints. At 6 p. m. he fell afleep, which did not at all relieve him, being much diffurbed with frightful dreams. I ordered his medicine to be continued, and the pediluvii.

3d. He had an exceeding bad night, from great defpondency, wild notions, and a delirium. I ordered him a drachm of the bark every hour, which he puked frequently. I gave him the bark with the faline mixture, in a ftate of effervescence. At 10 p. m. when he complained of no pain, tho' his fever continued, his body was open. 4th. His skin was hot and dry, and he was troubled much with inquietude and thirst all night. A. m. he R r complained of no pain, fighed heavily from great opprefion about the fcrobiculum cordis, and his pulfe was very irregular. At 8 a. m. an exacerbation returned with lefs violence, which continued until 10 p. m. In its height, I ordered the antimonial medicine every two hours, and the pediluvium; and at other times his bark, and a finall glafs of wine after every dofe, which kept it on his ftomach very well. The urine that he made during the paroxyfm, contained neither cloud nor fediment.

5th. He had an uneafy night, and a prickly heat like eruption appeared on his face, breaft, and fhoulders. A. m. he was much better, I ordered his bark and wine as before, which he only puked twice. At 8 p. m. a flight paroxyfm to what the former ones were, came on, and an angry eruption broke out about his mouth. He ftill continued his bark and wine.

6th. He refted well in the night, and complained only of great weaknefs and lownefs of fpirits. I prefcribed his bark with wine every hour, as before. He had no return of his fever, and continued to take his bark until the 27th of the month, when he returned quite well to his duty.

CASE VII.

John Willis, marine, aged about 28, a ftrong man, fubject to maniacal complaints, who never had been in a hot climate before, on the evening of the 6th of March, latitude at m. 04° 16" N. was feized with rigours, and univerfal pains, but did not complain until a. m. following when his head ached violently, his eyes were greatly inflamed, and his pulfe was much opprefied. I ordered twelve onuces of blood to be taken from him; upon weighing it afterwards, I found a pound had been taken away; an emetick in four hours after, which puked him well; an antimonial draught, with plenty of acidulated drink at night; and the pediluvium to be ufed. The blood was fizy, the ferum red and little in quantity, and the craffamentum rather loofe.

2d Day his headach and pains still continued. I prefcribed a dose of falts, and after their operation was over, the antimonial medicine with the pediluvium and his drink. P. m. his headach remitted a little; he complained of a pain in his breast, and thirst; and his pulse was rather quick and softer than natural.

3d. He had a reftleis night from an exacerbation of his fever and complaints. A. m. the headach was very troublefome, with a cough, a forenefs of his throat, and the pain of his breaft. I applied a large blifter between his fhoulders, and continued his medicines as before. 4th. He refted indifferently, though the fever was moderate all night; and complained ftill of his headach, universal pains, and thirft. His antimonial medicine was repeated every four hours. hours. 5th. There was no alteration for the better, and he was very coffive. R. cath. amar. fal. pulv. cort. peruv. a 3vi. fucc. til. mar. fruct. 3ii. pulmenttarii lb. fs. m. quadran. Æger unaquaque hora fumat. His medicine purged him only once; he was very cool at night. 6th. He was much better, and took his bark as before. 7th. The bark was prefcribed with elix. vitr. and he continued taking it, only diminishing the number of doses daily, until the 17th of the month, when he returned to duty quite well. Three other marines, who were of the watering party too at Sierra Leon, had the fame fever, and recovered by the fame means in twenty-five days the worft of them.

CASE VIII.—St. Thomas's Fever.

William Lauchlan, feaman, aged about 50, on the 24th of April 1772,* p. m. was feized with a chillinefs, headach, and fevere univerfal pains. Next morning when he complained after having been very hot, thirfty, and reftlefs through the night, his fkin was dry and hot, his pulfe quick, his tongue whiteifh, his thirft infatiable, and he found his ftrength and fpirits proftrated. I ordered him an emetick, which operated well; and the antimonial mixture every four hours, with nitre in his drink. At 9 p. m. there was a fmall remiffion.

2d. He refted very ill in the night, he was very weak, giddy, his thirft irrefiftable, and his pulfe quick and fmall. I prefcribed a dofe of falts for him, and his draught at night, with his drink. At 6 p. m. an exacerbation came on, which remitted a little at 10 p. m. 3d. He had no reft in the night, a violent paroxyfm having come on at 1 a. m. with a frequent cough, and great defpondency, befides his former complaints. His tongue was foul too, and he was coftive. A 3 p. m. there was a fmall remiffion, during which the fymptoms and thirft were fcarcely alleviated. I continued his medicine every two hours in the paroxyfm, and every four in the remiffion. Another exacerbation with a dyfuria began at 9 p. m.

4th. He was quite languid from great inquietude in the night. There was a fmall remiffion at 6 a. m. tho' his head was like to fplit; the universal pains were severe, particularly in his loins; the palms of his hands and soles of his feet were very hot, and his thirst continued. I preferibed sal. cath. amar. 3s. which gave him several stools; afterwards repeated the antimonial medicine, and made him use the pediluvium.

5th. His cough was very troublefome, which increafed his headach, and his pulfe was very irregular. At 4 p. m. an exacerbation of the fever and fymptoms

* Latitude at noon oo° oo" South.

6th. There was a fmall remifion at 11 in the night; and at 12 a violent paroxyfm came on. Befides his former complaints, which were greatly increafed, he had a great pain about his throat, over his eyes, and at the bottoms of the orbits; when he coughed, his eyes were like to fly out of his head, and he raved much. At 4 a. m. there was a flight remiflion; at 6 the paroxyfm returned, and remitted again imperfectly at 4 p. m. His pulfe was very irregular, and a difagreeable fenfation remained on the fingers for fome time after feeling it—as indeed happened in every cafe. I applied a large blifter between his fhoulders, repeated his medicine with pulv. contrayerv. c. camphor. ana gr. vi. made into a bolus, every three hours. 7th. He was in lefs pain in the night, tho' his cough continued inceffant, and he was quite languid. I ordered him a drachm of the bark, with a little wine every hour; and though he puked it feveral times, he was rather eafier at night.

8th. He complained chiefly of his cough. He continued his bark and wine, which agreed very well with him, and at night he was cool, and his cough lefs. Laft twenty-four hours he took two ounces and a half of bark.

9th. He continued taking his medicine in the night, and had no complaint but of weaknefs. I ordered the bark every two hours, only with wine, of which he had his allowance. He afterwards took it with elix. vitr. until the 8th of May, when he returned to duty. I gave him the decoction with elix. vitr. for fome time after. This was one of the cafes who relapfed with the change of weather.

CASE IX.

Peter Williams, feaman, a very ftrong molattoe creole, aged about 34, on the 27th of April, latitude at m. 00° 41" f. at 10 a. m. was feized with fevere rigours, which continued two hours; a violent headach, ficknefs at ftomach, univerfal pains, effectially in his loins, and an ardent fever, with vehement thirft. Great anxiety fucceeded, which terminated in a very profuse fweat. As he did not complain until it was late in the evening, I only ordered him the antimonial mixture and fubacid drink.

1st. About midnight there was a degree of remiffion. A. m. I ordered him an emetick : in two hours after its operation was over, fal. cath. amar. 3i, and at night the antimonial medicine to be repeated every four hours, with fubacid drink. 2d. At 11 in the night, the fever and fymptoms came on with greater violence, and a delirium, it remitted a little at 4 a. m. it returned again again at 10 a. m. with chillinefs, and continued fevere until 8 p. m. Together with his former complaints, he had great pain and ftricture about his eyes, which were much inflamed, and he was coftive. During the imperfect remitfions, there was a great proftration of his ftrength and fpirits, with giddinefs; he had univerfal pains and uncafinefs, and his thirft was infatiable. I repeated the antimonial medicine every two hours in the paroxyfms, with his drink, and made him ufe the pediluvium.

3d. He had a better night. I ordered him fal. cath. amar. 3vi. with thin gruel, which procured him feveral copious ftools; and his antimonial medicine and drink at night. At 6 p. m. an exacerbation with increased violence commenced, together with the former fymptoms, which were all more violent; he had a bilious vomiting and purging, a dyfuria, and great inquietude.

4th. He was very much diffurbed with the delirium, inquietude, and vomiting and purging all night. At 7 a. m. there was a flight remiflion, during which his pulfe was full and very foft; his tongue was remarkably fmooth, he was greatly dejected, quite languid, had a bitter tafte in his mouth, and a burning heat in his palms and foles. I prefcribed the antimonial medicine in an effervefcent ftate, with tinct. thebaic. applied a large blifter between his fhoulders, and repeated the pediluvium. At 6 p. m. a paroxyfm began, during which he raved greatly, and was comatofe. I ordered pulv. contrayerv. c. camphor, ana gr. vi. quartaquaque hora, with his other medicines.

5th. At 10 in the night, there was a flight remiffion, which continued two hours only. A most violent paroxysm commenced then with great oppression about the scrobiculum cordis. He was highly delirious and outrageous with extreme watching; his tongue was black, and his other complaints were much more severe, except the coma. About 7 a. m. there was a very imperfect remission; I continued his medicines during the paroxysm, as prescribed the preceding day, and applied blisters to his ankles. At 7 a. m. I ordered him cort. peruv. pulv. zifs. every hour, with a little wine; and at 10 p. m. he found himself easy and cool, having taken twenty-two drachms of the bark, which agreed with him.

6th. Between 12 and 2 a. m. he had a very flight paroxyfm; at other times was quiet and eafy, and took his medicine. P. m. he was very eafy all day, having took a drachm of the bark every hour, with a little elix. vitr. and I allowed him his wine. 7th. He had a good night's reft, and was recovering. I prefcribed the bark with elix. vitr. every two hours, and gave him his wine.

8th. He continued to recover, and took half an ounce of bark. Afterwards he had the decoction with elix. vitr. and would return to his duty the 7th of May. The change of the weather affected him frequently afterwards.

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CASE X.

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James Ayflop, aged about 15, of a very thin and paralytick habit, who never had been in a hot climate before, was taken ill at the fame time as the preceding cafe, with the general fymptoms; and when he complained next morning, he was worfe in every refpect, after a reftlefs night. I ordered him an emetick; and in two hours after its operation. fal. cath. amar. z_i . with thin gruel. At noon a remiffion began, and at night I gave him the antimonial medicine, with fubacid drink.

2d day. He had a tolerable night, but complained of great weaknefs, giddinefs, and that his medicine griped him. To every dofe thereof, which he took every four hours, I added a few drops of tinct. thebaic. At 4 p. m. a fevere exacerbation came on, and remitted imperfectly at 10, during which he had feveral bilious ftools.

3d. At midnight a paroxyfm returned, which remitted at 6 a. m. and left him quite languid and dejected, together with the ufual complaints. At 4 p. m. another exacerbation began and remitted a little at 8. As he was coftive, the antimonial medicine was given in fmall quantities every two hours, without the tinct. theb. 4th. A fevere paroxyfm, preceded by griping, commenced at midnight, and remitted at 7 a. m. all his complaints were more troublefome, and he continued to take his medicine. 5th. He was tolerable eafy in the night, but had no fleep. At 6 p. m. an exacerbation came on, which continued only a few hours: the remiffion was very imperfect, and his medicine was prefcribed as before.

6th. His complaints all continued, and he was in no refpect better. I ordered him a drachm of the bark every hour; through negligence, he only had been given one or two dofes—P. m. he was reather weaker. 7th. His tongue was very foul, and the other fymptoms were very troublefome in the night; yet he took his bark every hour, and continued it all day, with a little wine to every dofe, which agreed very well with him.

8th. He was much better, and complained of weakness only. I prefcribed his bark as before, which he continued to take—only diminishing the number of doses, until the 10th of May, when he returned to his duty. He took the decoction with elix. vitr. twice a day, for some time after.

CASE XI.

Thomas Dale, marine, aged about 38, who never had been in a hot climate before, on the 30th of April, at 8 p.m. latitude obferved 02° 10" S. was was feized with all the general fymptoms; and at midnight, they and the fever remitted for a little only. Next day at m. when I faw him, all his complaints were much feverer, with deafnefs. I ordered him an emetick, which operated well; and the antimonial draught at night, with nitre in his drink. P. M. a fmall remiffion appeared.

2d. He refted very ill, being troubled with much inquietude, and the lumbago. I prefcribed an ounce of the fal. cath. amar. with thin gruel, and the ufual medicine at night. 3 P. m. he complained of being very chilly, though his fkin was hot and dry, and his pulfe was quick.

3d. He had a very reftlefs night, and no remiffion appeared until 8 p. m. All the fymptoms were increased in violence, in the paroxyfm, and it left him quite languid and defponding. With the faline mixture, I ordered him tart. emet. gr. fs. every four hours, and fubacid drink.

4th. He had a very indifferent night; he was very giddy, languid, and thirfty, with the ufual complaints; and nothing pleafed his taffe. I ordered him the antimonial mixture as before. 5th. An exacerbation returned at 10 in the night, and continued until 7 p. m. with an urgent cough, and pain about the fcrobiculum cordis. I prefcribed for him as on the third. 6th. He refted ill, and was greatly dejected. I ordered him a drachm of the cortex, with a little wine every hour. At 6 p. m. a paroxyfm began, in the height of which he took the antimonial mixture.

7th. Early a. m. there was a remiffion, and he took his bark and wine every hour, which agreed very well with him. Though his paroxyfms were not violent, he was neverthelefs much weaker than others who had more fevere ones. 8th. He was recovering, and continued to take his bark as before.

9th. He had a flight paroxyfm in the night. I ordered the elix. vitr. with his bark every hour, and allowed him his wine. 10th, 11th, and 12th, I gave him half an ounce of bark daily; and afterwards the decoction twice a day, with the elix. vitr. which he continued to take for fome time after he returned to duty, on the 15th of May.

CASE XII.

Henry Annas, feaman, a ftrong man, aged about 37, on the evening of the 29th of April, lat. obferved 01° 45" S, was fuddenly feized with giddinefs and faintnefs, which were followed with a violent headach, an acute pain of his loins, and univerfal pains, and heat, with great thirft. When he complained on the first of May, all his complaints were more fevere; he was fick at his ftomach, and his pulfe was ftrong and quick. I ordered him an emetick, the antimonial draughts every four hours after, fubacid drink and the the pediluvium to be used. In the evening there was an imperfect remission, only for the first time.

2d day. At 1 a. m. a paroxyfm began with rigours, which continued until 6 p. m. when he complained of great proftration of ftrength and universal foreness; his thirst was infatiable, and his pulse fost, besides the general complaints of dejection, burning heat in the palms of his hands, and the soles of his feet; a bitter taste in his month, and nothing pleased his taste. I ordered him an ounce of fal. cath. amar. and after they were wrought off, the same medicines as the preceding night, with plenty of drink. At 9 p. m. an exacerbation of the fever and symptoms commenced.

3d. He was troubled with great inquietude, and the fever continued until 1 a. m. when he was feized with rigours which lasted three hours, and a most violent paroxysm followed, that continued until 4 p. m. His former complaints were greatly exacerbated; and he had a dysuria; a great pain and stricture about his eyes; an oppression about the scrobiculum cordis; his tongue was brown and dry, and his mouth parched, and he wandered at times. In the remission, his spirits and strength were quite prostrated, and he was very giddy. I continued the antimonial medicine, in the Sp. Minder, with subacid drink, and the pediluvium every two hours in the paroxysm— His body was sufficiently open.

4th. He had a tolerable night; and early a. m. another according of the fever and fymptoms began, and continued until 4 p. m. but were not fo violent as on the preceding day. His medicines were repeated as before.

5th. He was eafy in the night. At 2 p. m. he was fuddenly taken speechlefs; and fome time after I was fent for to fee him, and was told he was just dying. When I faw him, he lay on his back, his eyes were not quite clofed, his countenance was very ghaftly, and covered with a cold clammy fweat, as was his breaft; his extremities were cold, his hands were folded over the fcrobiculum cordis; his pulfe was thready, tremulous, and vermicular at times; the hypochondria were tumid; he was wholly fenfeles and motionles, excepting convultive twiches about his mouth. He continued in this lifelefs ftate about an hour, notwithstanding he was well rubbed with flannel clothes fprinkled with volatiles, without altering his pofture; as foon as he could fwallow, fome drops were given him internally, with a little drink; and when the tibiæ internæ were well rubbed in that manner, they were embrocated with warm vinegar, and large blifters applied to them. After that apoplexy, fyncope, or whatever any one choofes to call it, a mere frenzy followed. His countenance was exceedingly flushed, his eyes were greatly inflamed, the muscles of the neck were quite rigid, the abdomen tense, his skin burning hot, his pulfe was very irregular, with a fubfultus tendinum; he was highly delirious and unmanageable, and his tongue quite black and dry. I covered his his back with a blifter, administered pulv. contrayerv. c. & camphor. ana gr. viii. twice, and his antimonial medicine was repeated every hour, with plenty of fubacid drink before 9 p. m. when the fweat began. I then prescribed two drachms of the cortex, with wine and a little tinct. theb. every hour, which his flomach retained.

6th. His medicine was given him regularly all night, though there was no fign of a remiffion until midnight, and he continued taking his bark after the fame manner until 4 p. m. when a paroxyfm returned, which was as flight as the preceding remiffion was moderate and dinftinct. From the time that he began to take the bark, until the return of the paroxyfm which was nineteen hours, he fwallowed and kept down four ounces and an half of bark. He then took only a drachm for a dofe.

7th. At midnight he became quite cool, and continued his bark and wine. 8th. He was recovering, tho' very weak, and took his bark regularly every hour.

9th. The bark was prefcribed with elixir of vitriol every hour, and his wine allowed him. Before the 15th, when he would return to his duty, he had taken a pound of the bark in powder; and for fome time after, I gave him twice a day, an infufion of it in wine. He was very flightly affected with the change of weather afterwards.

A number more of our men had the fever, from lying ashore at St. Thomas's, but all recovered from the same method of treatment.

Cafes of the Remitting Fever on the Second Voyage.

CASE XIII.

William Peer, marine, aged about 26, who never was in a hot climate before, on the 30th of March 1773, latitude observed $05^{\circ} 29^{"}$ N. was feized with a pain and oppression about the pit of the stomach, an inclination to vomit and giddiness. I ordered him an emetick, the antimonial medicine at night, and subacid drink.

2d day. Though he fweated profufely in the night, and his fkin was much cooler a. m. all his complaints continued. I prefcribed an ounce of falts for him; and his mixture with drink at night. 3d. He had a very bad night, and at 4 a. m. a fevere exacerbation, preceded by rigours, came on, attended with a bilious vomiting and griping, a heavinefs of his head, a great pain in his loins, a proftration of his ftrength and fpirits, a very quick fmall pulfe, an urgent thirft, and an increased violence of his other complaints; towards night it remitted, and left him quite languid and dejected, together with the usual fymptoms. As his falts did not purge him the preceding day, I gave T t him fal. cath. amar. 3ii. every hour, in fome warm thin gruel, until he had fome ftools, and afterwards, his antimonial medicine and drink.

4th. He was troubled with much inquietude in the night. At 2 a. m. an acceffion of his fever came on, and remitted at 7, during which he had four copious ftools. He took his medicine every four hours. P. m. he was eafier, tho' very weak, and his tongue foul, with a bad tafte in his mouth.

5th. At 2 a. m. a paroxyfm with an increased violence of his former complaints, returned. He vomited severely, and felt great pain upon pressing the pit of the stomach. There was an imperfect remission at 8. An exacerbation came on again at 11 a. m. which remitted at 6 p. m. when he complained of costiveness, giddiness, prostration of his strength, and very great despondency. I continued his medicine and drink.

6th. He had an eafier night. I ordered him a drachm and an half of bark, with two drachms of fal. cath. amar. and repeated his bark every hour, with a little wine, which agreed with him, and he had feveral stools.

7th. He had a good night, was free of fever, complained of weaknefs only; and took eighteen drachms of bark, with wine and water. He continued to take his bark until the 13th of April, only decreasing the number of dofes daily, when he returned to his duty. I gave him twice a day for fome time after, a wine infusion of the bark.

CASE XIV.

Francis Eastmond, marine, a strong man, on the 9th of April 1773-Latitude observed, 04° 23" N. a. m. was seized with rigours, which were followed by the general complaints, and in the evening there was an imperfect remission of them. I ordered him an emetick, the antimonial medicine at night, and nitre in his drink.

2d. About 10 in the night, an exacerbation came on; he was much troubled with inquietude, and had a great pain and firicture over his eyes, and at the bottom of his orbits, with all his former complaints. At 6 p. m. there was a flight remiffion only. I gave him fal. cath. amar. 3i. and at night repeated his medicine every four hours, with his drink.

3d. He had an indifferent night, and at 6 a.m. a paroxyfm commenced with rigours; and, together with his former complaints, was attended with an irregular pulfe, a foul tongue, watching, and a delirium. I applied a large blifter between his fhoulders, ordered him camphor. gr. viii. which he naufeated, and the fp. minder. with eff. ant. every four hours, and made his feet and legs be put in warm water.

4th. His fever remitted at 7 a.m. but he was very coftive. I repeated the dole of falts, which gave him feveral copious stools; and afterwards his antimonial timonial mixture as before. A very angry eruption broke out about his mouth and nofe.

5th. At 4 a. m. an exacerbation returned again with rigours; a bilious vomiting, and an immoderate difcharge of urine, befides the other fymptoms, which remitted at m. I ordered him his antimonial medicine every two hours, and repeated the pediluvium.

6th. He was extremely weak, giddy and dejected. I ordered him a drachm of the bark every hour, and allowed him wine. 7th. He was recovering, and continued his medicines. He took the bark in fubftance, until the 18th of the month, when he returned to duty, and afterwards an infufion of it in wine, twice a day.

Cafes which occurred during the last Voyage.

CASE XV.

The following cafe properly fpeaking, is anomalous, because three feparate and very different fevers happened therein—namely, a catarrhous, a hectick, and a remittent—but as it is not only an uncommon one, but terminated in a putrid remittent, I shall infert it here under the present head at full length.

Richard Spurret, marine, aged about 36, on the 20th of December 1773, latitude observed, 25° 02" complained of a pain and swelling in the left side of his face, that had seized him in the night; he was thirsty, and his pulse was quick and hard. I ordered a few ounces of blood to be taken from him; essentiated a volatile liniment for the given him at night, with acidulated sage tea; and a volatile liniment for inkled on a piece of flannel, to be applied to his face.

21st. His face was easier, the epithem was renewed; abstinence from falt provisions enjoined, and the eff. antimon. with the fage tea, was repeated at night. 22d. His face and fame fide of his throat were much fwelled; he had a pain in fwallowing, coughed at times, and his pulfe was quick, though not hard. I prefcribed a dofe of fal. cath. amar. and a gargarism of fage tea, diftilled vinegar and honey, to be made use of frequently; a bolus of sperm. cet. and nitre at night, and the epithem to be continued.

23d. The fwelling was more enlarged and harder, his pulfe was ftill quick and his fkin dryer and hotter than in health. I ordered a fomentation and the epthem to be renewed twice a day; I repeated his bolus morning and evening; and at night gave him the eff. antimon. with his drink. He was fubject to a cough and complaints in his breaft.

24th.
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24th. The parotis was lefs, he had no pain in it, and deglutition was eafy, but his tongue was foul, his cough without any expectoration was more urgent, which occafioned his head to ach; and he complained of a pain in his back. His body was open. I gave him a linctus of sperm. cet. mel. brit. & oxymel. fcill, with a few drops of fp. vitr. ten. to take the fize of a nutmeg of when the cough was most urgent; I continued his other medicines, ordered him an opiate at night, and the pediluvium.

25th. He found himfelf much better, and coughed lefs. I ordered all his medicines to be continued. 26th. He got cold, and coughed all night, which raifed his headach again and a great pain in his breaft, that made respiration difficult. His pulfe was now quick and fuller than in health. I made a few ounces of blood be taken from him, gave him acidulated ptifan for his common drink, and continued his other medicines.

27th. The fwelling and pain had entirely left his face and throat; he had a pain and opprefiion about the pit of his ftomach, a watching and collequative fweats. P. m. his complaints were more fevere, he raved, and his pulse was small, quick, and hard. I applied a large blifter to his back; inftead of the linctus, I gave him the lack ammoniac. with oxymel. fcil. & eff. antimon. and continued his drink. P. m. I opened both the venæ faphenæ, after using the pediluvium; added tinct. theb. gt. v. to every dofe of his mixture, and allowed the common emultion with nitre, and the ptifan for his drink.

28th. He was in great pain about the thorax, breathed with difficulty, was extremely reftlefs and delirious the first part of the night; towards morning he grew better, expectorated a little, had two copious stools, and I continued his medicines.

29th. He refted well, coughed little, expectorated more, breathed eafy, and had no fever. He took his mixture every four hours, continued his drink, and had an opiate at night only. 30th. He was much better, and his medicines were repeated.

31ft. He had a straitness about the thorax, especially the right fide, and coughed frequently. I repeated his medicines and drink, ordered him to use the pediluvium, and applied a large blifter to the affected fide.

January 1st, 1774. He refted well, expectorated eafily, though he was breathlefs from walking up or down the ladder, and complained of his blifters paining him much. I continued his medicines. 2d. From his opiate having been neglected, he coughed, and was reftlefs until he got it; he was eafy in the day; he made use of his former linctus, with ptifan, and had his opiate at night.

3d. He had no cough in the night, and complained of a weaknefs in his. loins only. His medicine was continued, and the bliftered parts kept open.

The

The colliquative fweats were not gone. 4th. There was no alteration on him, Befides continuing his linetus, I ordered him a drachm of the bark, with elix. vitr. four times a day.

5th. His cough was troublefome in the night. I ordered him the bark only twice a day; and as he was feverifh, I gave him camphor. gr. v. quatuor in die, and continued his linctus, ptifan, and opiate. 6th. He had a quieter night, yet the colliquative fweats weakened him exceedingly. P. m. he had chills and heats alternately. I omitted the camphor, and prefcribed half an ounce of bark, to be taken with elix. vitr. and continued his other medicines and drink.

7th. He was extremely weak from the fweats; he had a finall fever conftantly, and a headach, from a continual irritating cough. Inftead of the linctus, I ordered him ol. olivar. opt. 3i. now and then; his anodyne at night, the emulfion and ptifan for drink, and his bark which made him fick p. m. 8th. He had a purging in the night, which relieved him a little. I repeated his anodyne twice, and continued his other medicines.

9th. He refted tolerably in the night, and his body kept open; though the fever continued, and his breathing was laborious, he complained of no pain. P. m. His ftomach and abdomen were much puffed up, and he was very defirous to break wind. Towards night he became very reftlefs; he was faintifh at times, his countenance was wild, and he raved. I omitted the bark, administered an emollient injection, renewed the blifter on his fide, gave him equal parts of wine and water frequently, and the emulfion with nitre for his drink, The injection procured him feveral ftools and a free difcharge of wind, which relieved him.

10th. He was very reftlefs, and fweated profufely at every pore until morning, and the cough was ftill very urgent. I continued the wine, with a very light diet, and gave him an anodyne at night. 11th. He fweated lefs, was extremely weak, his pulfe was very fmall, his tongue was rough and white in the middle, a tickling in his throat brought on the cough, he expectorated a little phlegm only, and was coftive. I ordered the injection to be repeated, which gave him two copious ftools; his medicines and diet, as on the preceding day, to be continued, and gave him a foft linctus to lick at pleafure.

12th. He refted well, coughed little, and expectorated eafily; his pulfe was regular, he was cool, had little thirst, and an appetite, but was still costive. I continued all his medicines.

13th. He had very little cough, and complained only of great weaknefs, and of being coftive. I ordered him two ounces of a decoction of fena, tamarinds, and cardamom. min. which gave him three copious ftools. P. m. he had a little cough, and his medicines were repeated.

Uu

14th.

14th. He complained only of weakness. I prescribed a drachm of the bark twice a day, with wine and the elix. vitr. which agreed with him. 15th. He continued better, and took his bark as before, with a nourishing diet.

16th. He complained of being coffive. I gave him fal. cath. amar. zii. which made him cough and fpit up fome phlegm. Afterwards, he took his bark at four dofes, inftead of two, with his wine as before. 17th. He did not recover any ftrength. I increased his bark to half an ounce a day, which he took as before.

Now commenced his Remitting Fever.

18th. He had no cough, but was very hot, the first part of the night, and perspired freely after. I continued his bark, wine, and diet. At 6 p. m. he was feized with a chillines, which was succeeded by a fever, hæmorrbage at the nose, and thirst that went off by a prosuse perspiration. During the paroxysm, I prescribed the sp. minderer. and sage tea.

19th. He was quite weak, especially in his loins, and thirsty. I ordered him a drachm of the bark with wine every hour. At 3 p. m. a severe exacerbation of the fever, with the hæmorrhage, a violent headach, great pain in his loins, a purging, and urgent thirst, came on. The sp. minderer. and tinct. theb. were prescribed, together with his drink.

20th. The paroxyim continued, the hæmorrhage returned in the night, and he complained of great pain in his knees. At 5 p. m. he was feized with chillinefs, and a reaching, which were followed by the fever, hæmorrhage and other complaints. I added tinct. theb. gt. x. to the dofe of bark, which I gave him every hour, together with his wine.

21ft. Without any remiffion, another exacerbation of his fever came on in the night, with a very profule hæmorrhage, at leaft to the quantity of 1b. iv. before it was ftopped with doffils immeried in the tinct. ftypt. plugged up his nofe, and opiates administered internally. His extremities then were cold, his pulfe was vermicular, he was covered with a cold fweat, his countenance was ghaftly, and he was quite faint. At 7 a. m. a paroxyfm returned with rigours, and a puking, which was troublefome through the day. His extremities were frequently well rubbed with flannel clothes fprinkled with volatiles, and then wrapped in them; the bark with wine and tinct. theb. was regularly repeated every hour, and at intervals I ordered him a little wine. P m. his extremities became warm; an equable and moderate perfpiration broke out over him, and he was in tolerable fpirits.

22d. He was reftlefs and puked once the first part of the night. His medicine agreed with him, and he slept a little towards morning. His pulse was much firmer, he was quite cool, and complained of weakness only. I continued tinued his medicines, and allowed him wine, and mutton broth now and then, off which all the fat was carefully fcummed.

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23d. He refted well, and had no fever or any complaint, only of weaknefs. I preferibed the bark, a drachm every hour as before, with wine only, which agreed very well with him, and his diet as on the preceding day.

24th. He had regular ftools, without any particular complaint, except of low fpiritednefs. I continued his bark, wine, and diet. His medicine, wine, and a nourifhing diet were regularly administered, and no alteration happened until the 2d of February, when he complained of his feet and legs fwelling towards night, otherwife he was much recovered. I ordered him half an ounce of bark daily, his pint of wine and diet.

3d. The prickly heat broke out over him, and he complained only of weaknefs, particularly in his loins, and of his legs being fwelled at night. No alteration was made in his prefcriptions. 5th. His countenance was rather bloated, though he was greatly recovered. I ordered him a wine infufion of the bark, with elix. vitr. twice a day, which he continued for a confiderable time, although he returned to fentinels duty on the 8th of February.

In June following, he was feized with fcorbutick fymptoms, and complained much at times, of the weakness and pain of his loins, of which he recovered, and came home in good health.

This man took above a pound of the bark in powder; what he used in the infusion, I am not certain, although I know that the quantity was confiderable.

CASE XVI.

M. R. aged about 32, of a thin habit, from careleffly exposing himfelf to the fun, and unufual fatigue on the atternoon of the 16th of June, his perfpiration ftopped, and he was feized with universal fevere wandering pains; great: laffitude, anxiety, and a burning heat in the palms of his hands and foles of his feet; his pulfe was full and quick, and his urine which he voided with heat, was high coloured, and in a finall quantity. I ordered him the pediluvium, the antimonial medicine, and plenty of acidulated drink. In the evening, all his complaints and thirft were greatly exacerbated.

17th. He refted ill from great inquietude; he had fhort partial fweats, with an intolerable heat in the palms of his hands and foles cf his feet; his thirft was infatiable, his pulfe was ftrong and quick, and the temporal arteries throbbed vehemently. A. m. he was a little relieved, though he had a fevere headach, and his urine, which was lefs in quantity, was darkifh coloured, and quite turbid. I ordered him of fal. cath. glaub. mann. ana žifs. which made him vomit a little, and purged him well. P. m. he found himfelf eafier, yet none none of his complaints were entirely removed. I repeated the pediluvium and antimonial medicine with his drink.

18th. He refted better, and his complaints were all more moderate, except the dyfuria, which was more fevere; his urine was very little in quantity, of a very dark colour, thickifh, and was full of bloody fibres, and he found himfelf very giddy when he got out of bed. I repeated his antimonial medicine a. m. and added fp. nitr. d. to his drink. At 10 a. m. an exacerbation of the fever and his complaints commenced with the headach, and p. m, he was fent to fick quarters.—As I was favoured with an account of the following part of his cafe, I fhall beg leave to infert it.

In the evening he was ordered the pediluvium, the antimonial medicine, and tamarind beverage for his drink, with fp. nitr. dul. in it. His urine then was neither fo dark coloured nor fo thick.

19th. He refted very ill, tho' there was a remiffion of his fever and complaints at midnight. His purge, with the addition of fome of cryft. tart. was repeated, which operated very well. P. m. he found himfelf better, and the dyfuria was abated. The medicines were repeated at night, as before.

20th. His fever was moderate, after a tolerable night's reft; and he voided his urine eafier, in a larger quantity, and clearer, yet his headach was troublefome. He was ordered a drachm of the bark every hour, with water only, and it agreed with him. P. m. his headach remitted at 2 p. m. and though he had taken an ounce of bark, his ufual medicines and drink were prefcribed at night.

21st. He had no return of his fever; but the pain in voiding his urine did not leave him for a confiderable time, and he continued taking the bark eight days, though after the fourth he diminished the quantity daily.

I have now candidly delivered all the remarks, which I have hitherto made on the remitting fever, which happened on board of fhips upon the coaft of Africa, at fuch a diftance from the land, as that neither the exhalations nor the effluvia emitted therefrom, could be fuppofed to have any immediate influence on the fick, except the laft cafe; notwithftanding thefe very caufes gave rife to, or occafioned the fever on board of the Weafel, in the river Gambia, chiefly; on board of the Rainbow, in Sierra Leon river folely, and I may fay, at St. Thomas' likewife.

I have already acknowledged the fimplicity and inelegancy of the manner in which I treated my patients; but the fuccefs that attended it, is a better apology for it, if not a vindication, than words could poffibly exprefs.

I cannot help observing, that I certainly would have administered the bark earlier, had I not been perfuaded to the contrary, by an eminent physician and friend of mine, before I went out in the Rainbow, in a discourse which

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which we then had upon that head. However, I shall with all deference, beg leave to diffent from the Doctor's opinion in that circumstance hereafter, as I did indeed in a few cases; because, I think, to delay giving the bark after the stomach and *primæ viæ* are emptied of their contents, especially when there is a remission, is losing time. Besides, in the cases which I administered on the third day, no unfavourable symptoms ever happend in confequence thereof.

CHAP. II.

OF THE DYSENTERY.

SECTION I.

The Dyfentery described which happened at Jamaica.

THE general complaints of the dyfenterick patients at Jamaica, were at first frequent loose stools, in some patients with, and in others without blood or gripes; a foreness of the belly, as they termed it; a pain and weakness of the loins, together with a nausea and thirst; the pulse was quicker, and the skin hotter, and dryer than natural.

When the difeafe had its own courfe for two, three, or more days before they complained, which was too often the cafe, the account of its beginning and advancement, which I got from them, was very diftinct, and the fymptoms varied then according to the manner in which they had lived, and the time that they had been ill.

However, many were feized at first with a chilliness or rigours, a reaching, bloody stools, violent gripes, a twisting of their guts, as if they had been cramped or contracted into knots; and as if they had been pierced with knives; for in all these different ways they expressed themselves; a tenesmus, a hæmorrhage at the nose, a numbedness of the set, a great prostration of the strength and spirits, and faintness. The more of these that there were concurring in one case, the more dangerous it always proved.

But in whatever manner they were first feized, their cafes foon became nearly fimilar, and differed only in degrees of violence, unless they were relieved by the first evacuations, which I am forry to fay, happened too feldom. Their stools which at first were large, and somewhat excrementitious, in some cafes with, and in others without blood, as I have already observed, and conti-X x nued nued fo throughout the difeafe, foon diminished in quantity, became more frequent, and of a watery, flimy, or mucous confistence, mixed or streaked with blood; in fome cafes they appeared like the *Carnium Lotura*, and in others like mere fanies: the gripes and tenefmus continued to increase daily with very little respite, until the difease either became chronical, or until the strength of the patients was exhausted, and a mortification took place; when the pain ceased, their stools ran off involuntarily, and death put an end to their calamity, which was always preceded by one or more black putrid, and very fetid stools.

In the courfe of the difeafe many more alarming fymptoms occurred; namely, very hot ftools *; a procidentia ani; an amazing dilatation in ano *; a profufe hæmorrhage ab ano *; a dyfuria; a fuppreffion of the urine, efpecially towards night; great tenfion and pain in the abdomen; flatulencies; a fevere pain about the pubis; a vomiting, particularly after taking any thing; a vomiting of worms; a voracious appetite; aptha; a fenfe of great internal heat; pain and forenefs of the eyes; a tinnitus aurium; a wildnefs in the countenance; great anxiety and reftleffnefs, a delirium, a hiccup, an hippocratick, countenance, a deliquium, involuntary ftools, and a cadaverous fmell.

Some of the latter may be reckoned fymptoms of the fever, which differed both in degree of ftrength and malignancy amongft them, but kept pace with the flux, and towards night there was generally an exacerbation. The pulfe was fometimes quick, fmall, and irregular, and at others very languid, though very often it was not to be depended upon, becaufe of the patient's fatigue from getting frequently out and in to bed: However, it generally fank gradually, and was either very fmall, tremulous, or vermicular, with a fubfultus tendinum before death. The tongue from being white at firft, became daily more foul, and at length either brown or black, and the teeth crufted over with fordes, the thirft was generally infatiable, the fkin moft commonly in the beginning was hot and dry, but towards the fatal period there were partial and cold clammy fiveats, particularly on the face and breaft, and the extremities were cold.

SECTION II.

The Difference between the Jamaica Dysentery and the one which happened to the Southward of the Equator.

IN the dyfentery which happened to the Southward of the Equator, the fickness at ftomach, the gripes, pain in different places, and contortion of the bowels, were more violent, and the proftration of ftrength and spirits were

much

. These symptoms have not been taken notice of by any author which I have read.

much greater. Befides, fome were attacked with alternate rigours and heats, voilent headaches and vomitings, and very quick and full pulfes. Others were at once feized with frequent purgings of blood, and violent gripes without a feverifh fymptom. In one cafe that proved fatal the third day, a violent pain in the bowels preceded the purging, which was attended with a very great proftration of ftrength, a wildness of the countenance, and the utmost defpondency. And though it was not near fo *epidemical* as the Jamaica one, it was more malignant, or as Sydenham * expresses himfelf, " of a more fpirituous nature."

In the equator one we had only 24 men ill, of whom four died +, one on the 3d, one the one 6th, the 11th, and one the 14th day. In the other we had 72 men bad, including relapfes and mild cafes, of whom nine only died, befides the vomical cafe; four of them died at the hofpital, but on which days of their ficknefs I am uncertain. The earlieft that died on board was on the 9th, and he had an exceeding bad fever accompanying it; one died the 20th of a relapfe, one the 22d, one on the 23d, and one on the 33d day, who had frequent relapfes.

These few were the only material circumstances wherein the two dysenteries differed.

SECTION III.

Reflections on the Dyfentery.

O F all the difeafes which infeft a fhip's company, the Dyfentery, in my opinion, if not the moft fatal, is at leaft equally fo with any other, and by far the moft loathfome. The conftant doleful complaints from the violent gripes, tenefinus, and other pains; the noxious fetor continually about themfelves, as well as arifing from the neceffary buckets; not to mention how extremely difagreeable fuch objects muft be to the fight; in fpite of all the means which can be ufed to prevent them, are evils peculiar to it alone. Yet great as they are, indubitably they are very much increafed when the weather is fo bad as not to admit the lower deck ports to be up in large fhips, or, as fometimes muft be the cafe, the hatchways in fmall fhips to be unlayed; for the foul air then being much more confined about the fick, and where the well people ly, it is confequently drawn into the lungs again and again by refpiration, and foon becomes more foul and noxious, which renders it unfit for the falutary purpofes of both healthy and fick.

Let me observe, by the bye, that the last mentioned circumstance is perhaps a much greater agent in enfeebling the seamen, and depressing their spirits

^{*} See Swan's translation of his works, p. 156, par. 6.

[†] Two more of them died at Port Royal hospital.

fpirits during bad weather, and occafioning ficknefs amongft them, than all the inclemency of the weather to which they are exposed upon deck in their watches. It is very pleafing to observe the immediate alteration which appears in their countenances when the ship is well washed and aired, and they have cleaned themselves after bad weather; from being quite fallow and dejected, they acquire a healthy look, and fresh spirits.

But the poor dyfenterick patients fuffer more particularly then, becaufe they are fo weak, that even in good weather they are unable to get on deck to enjoy a moment's fresh air.

I take it for granted, that as it is to be apprehended infection might be communicated to the reft of the fhip's company from fuffering the fluxes to eafe themfelves in the head where the common feats are fixed, they ought not to be fuffered to go there upon any account, though they were able: and when they arrive at a convalefcent flate, one fide of the head fhould be allotted for their ufe only, and the well people prohibited from going thereto, and enjoined to prevent the convalefcents from going to the other fide, under the pain of being punifhed.

If cleanlinefs in the fick births is always neceffary in other difeafes, there feems to be yet a more indifpenfible neceffity for their being kept remarkably clean in the dyfentery, for the reafons already mentioned. But nothing can be added to the method which is already laid down for that purpofe by Dr. *Lind*, in his effay on the most effectual means of preferving the health of feamen—An effay which alone would have done that eminent physician great honor without the addition of his other valuable writings.

SECTION IV.

Observations on different Medicines.

BUT what renders an attack of the dyfentery on board of a fhip the more diffreffing, is, there not being any certain method of curing it yet difcovered.

The bark, from its known qualities, and falutary effects in various difeafes, feems of all other to be the moft fuitable medicine for curing the dyfentery, after evacuations have been administered; but I am forry to fay, that in the manner which I made trial of it, I found it came far short of my intention, or expectation. It is true, I did not give it in a recent cafe, after the first vomit and purge, because I apprehended that so early an use of astringents were absolutely improper, and would have increased the inflammation, instead of curing the difease. Though, had I fortunately taken notice of that passage in Doctor Lind's treatife on hot climates, * where, in his Directions for cur-

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* See p. 276.

ing the flux he recommends a mixture of the bark with opium, after vomiting and purging the patient, I certainly would have given up my own prejudice against such an early use of it, and made a fair trial thereof. However, I must acknowledge in its behalf, that I found it the best corroborant in the declension of the disease.

Ipecacoanha performed nothing in the cure of either of the dyfenteries, to entitle it to the character of a fpecifick, and most probably for the reason which Sir John Pringle affigns. *

Rhubarb toasted or untoasted, so strenuously recommended by the learned Huxham, + was very far from being of that efficacy which he found it.

Diafcordium with opium, another favourite medicine of that great author ‡ in the dyfentery, was not more efficacious than the former; nor the theriaca either. Opium, which was the immortal Sydenham's § principal remedy in the cure of the dyfentery, was barely a palliative in either of the two which are under our immediate confideration.

Terra Japonica, was of no real fervice either. How proper foever the great Boerhaave's ** method of treating the intestines, in an inflamed state, may be, in the beginning of a dysentery, other medicines are certainly requisite to compleat the cure. Besides, the inconveniencies that attend the frequent use of fomentations and injections, so as to be of any real service on board of a ship, especially when many are bad, are insuperable.

As to the femiruba or lign. campechen. I had neither of them on board to make a trial of.

SECTION V.

The Method in which the Dysentery was treated.

I Did not judge it proper to let blood in either of the dyfenteries, except in a cafe of the Jamaica one, which commenced with a hæmorrhage at the nofe. As the patient had been no way reduced by any preceding illnefs, to occafion that fymptom, I thought it a warrantable indication for diminifhing the general mafs a few ounces. In a few other mild cafes of the fame dyfentery which occurred on our paffage to England, when our latitude was pretty high, and the weather cool, I took away blood fparingly, becaufe fome particular fymptoms, in the courfe of the difeafe, not in its beginning, feemed to require it. Thefe few cafes indeed, all recovered, tho' I do not attribute that Y y by

* See p. 261 of his observations on the diseafes of the army. † Vid. observationes de aere et morbis opidemicis, tom: II. pagin. 106. ‡ Ibid. pagin. 100. § Swan's translation, sect. IV. chap. 3. ** Vid. aphorism. 966, & 976 chiefly for fimilar reafons. The cure thereof was always begun by administering the ipecacoan, as an emetick. In the Jamaica flux, I generally gave from ten to five and twenty grains of the powder at one dofe. Tho' it always vomited the patient well, and frequently procured him a more copious flool or two, I found that it operated by flool much better, when I gave five or fix grains of it every hour, and repeated that quantity three times, after Sir John Pringle's * method. In his manner therefore, I generally preferibed it in the equator flux; and in the mean time, thin gruel, barley water, chamomile tea, or water with a toafs in it, was allowed to be drank plentifully. † At night I always gave an opiate from the first of their complaining, to ease the violent pains, and procure fome reft.

If the patient complained in the morning, and the operation of the ipecacoan was over, I gave him the fame day, from one to two fcruples of rhubarb, in the Jamaica flux; very feldom toafted; and tho' Huxham in his account of the dyfentery which raged at Plymouth, in 1743, and of the manner of his treating it, gives the preference of all purges to rhubarb, in these expressive words, " omnium fane optimum est rhabarbarum, quod " exhibendum est sæpiùs (tostum id semper si ab Indiis venit orientalibus) " cum nucis moschatæ, aut cinnamomi pauxillo," ‡ I changed the rhubarb purge in the equator flux, for the fal. cath. amar. which I found acted more powerfully, and with greater eafe to the patient. I therefore generally gave fal. cath. amar. Zi. diffolved in half a pint of thin warm gruel, and gave one. third, or fourth part thereof, every half or three quarters of an hour, until it was all taken; allowing thin demulcent drink to work them off; and in the evening I ordered an opiate. The one which I made use of, was either the folid opium, or the tinct. theb. But when the vomit was taken in the afternoon, the purge was not administered until next day.

If the gripes were much relieved by the vomit and purge, and the flux was abated, the day after, whether it was the fecond or third of his complaining, I refrained from giving any other medicine than the opiate morning and evening, and allowed them demulcent drink at pleafure. § If on the contrary, the gripes continued violent, the ftools fmall and frequent, and the patient had often an ineffectual defire of going to ftool, I repeated the purge daily,

^{*} See the place of his observations already cited. + Huxham, besides many others, recommend water. Vid. Loc. citat. ‡ Vid. ibidem. § In this I imitated Sir John Pringle; see his observations on the dysentery.

daily, until these complaints were relieved, and the opiate, if not oftner, at least regularly every night.

When my patients were fufficiently purged, and the inflammatory fymptoms thereby moderated, I endeavoured to reftrain the flux with fmall dofes of ipecacoan, and rhubarb, given three or four times a day, and opiates, or with the diafcord. cum opio, made into a mixture; a fpoonful or two of which was given every two, three, or four hours, and an opiate at night. R. Spec. e. fcord. cum op. 3ii. aq, fimp. Zviii. fyr. commum. fiat miftura.

But notwithstanding the patient feemed to be recovering, it too often happened, that an exacerbation of all the complaints came on, either from the difease having been only palliated, or more frequently, perhaps, from some irregularity of the patients, and neglect of the attendants, so that I was obliged to repeat again and again, both the ipecacoan and purges, after I had begun to restrain the flux.

When the difeafe was thus violent and protracted, it became neceffary to ufe, befides the remedies already mentioned, and the white decoction, opiates repeatedly, to alleviate the violent pain; emollient fomentations for the abdomen; and emollient and anodyne clyfters composed of the decoct. fem. lin. vel folut. amylon. with more or lefs of the tinct. theb. and likewife to ufe aftringent and antifeptick clyfters, which were made of the decoct. cort. peruv. et eleuther. vel flor. balauft. cum opio, as well as to give aftringents internally with wine: Thefe were the terra japonica, the cort. peruv. pulv. the decoct. cort. peruv. et eleuther. together with opium; but at beft, they all proved too often ineffectual. However, to illuftrate what I have faid upon this head, I fhall add a number of the cafes of both fluxes.

SECTION VI.

Cafes of the Dyfentery which happened at Jamaica.

CASE I.

WILLIAM Hutchins, marine, aged about 30, who never had been in a hot climate before, p. m. of June 10th, 1773, complained of having a flux upon him, and that he was violently griped at times. His ftools were watery, his fkin was drier and hotter, and his pulfe quicker than natural, and he was very thirfty. I ordered him an emetick of the ipecacoan, half a grain of opium at night, and plenty of thin gruel, or barley water for drink.

2d day. He found no alteration of his complaints. I prefcribed half a drachm of rhubarb, his drink and opiate at night, The rhubarb did not operate operate well. 3d. He had a bad night, his ftools were fmall, frequent and bloody; his gripes were violent at times across the abdomen, at others fixed in a point thereof, and the tenefmus was very troublefome. I gave him pulv. rad. rhei. 3ii. nuc. mosch. gr. x. and his drink and opiate.

4th. He refted better, and was eafier, after having had fome larger ftools with his rhubarb. I prefcribed pulv. r. rhei gr. x. ipecacoan. gr. iii. m. f. pulv. to be repeated three times, and his drink and opiate as usual, which gave him feveral pretty large ftools.

5th. He was much better, p. m. the griping was more fevere, and his ftools frequent again. 1 ordered him four fmall doles of rhubarb and ipecacoan, and his opiate at night. 6th. He refted well the first part of the night, and was better. I repeated his medicines. 7th. He continued much the fame. There was always an exacerbation of his complaints p. m. I ordered half a drachm of rhubarb, and his opiate at night.

8th. He had a good night, was much better, and took his medicines as on the 5th, with decoct. alb. 9th. His griping when at ftool, which was often, was very fevere. I continued his medicines. 10th. He continued much the fame, his pulfe was quick and fmall, and his thirft infatiable. I repeated the purge and his opiate.

11th. He was rather better. I prefcribed pulv. ipecacoan. gr. vi. twice, which puked him, and gave him fome flools, and his opiate at night. 12th. There was very little alteration on him, and he complained of a difficulty of breathing p. m. I ordered him the diafcord mixture every three hours; the decoct. alb. and his opiate. 13th. He breathed eafy, and his pulfe was pretty regular, tho' there was a wildnefs in his countenance, and his complaints continued; his flools were mucous, mixed with a little blood. I continued his medicines and decoction.

14th. There was no alteration made in his medicines, nor on him for the better. 15th, 16th. His flux still continued, and he was much reduced. I prefcribed the following draught every four hours, and his opiate at night. R. pulv. cort. peruv. 3i. tinct. cort. peruv. 3fs. aq. fimp. 3ifs. facch. alb. q. f. pro haustus.

17th. He refted very ill in the night, being very feverish the first part, and his stools were small and frequent, together with his other complaints. I ordered him pulv. rhei. gr. xxxv. calomel, gr. ii. which purged him well, and his opiate at night

18th. He was very weak and thirsty, tho' in other respects much better. I prefcribed as on 15th and 16th. 19th. He continued better, was hungry and in good spirits. I repeated his medicines, and allowed him some weak mutton broth. P. m. his shools were frequent, and the gripes troublessome.

20th.

20th. He was the fame as on the preceding day. I continued his medicines, broth, and allowed a little wine; all of which agreed with him. 21ft. He was recovering, and complained little. I ftill ordered his bark, opiate and diet. 22d. As he lay in his hammock, a. m. after having ftrained a good deal upon the bucket for a ftool, an immoderate hæmorrhage, without pain proceeded ab ano, which increafed upon the leaft motion, and wet all his bedding before he knew of it. It could not be perceived upon examination from whence it proceeded; nor could it be ftopped with tents dipped in ftypticks, and introduced in ano, and opiates added to his draughts. I ordered an injection of a ftrong decoction of balauft. flor. with tinct. theb. to be adminiftered, which entirely reftrained it upon being repeated once; and when the injection returned, there was no blood mixed with it. The lofs of blood weakened him greatly, yet his appetite, which was in a manner voracious, continued. P. m. he was eafy, and had no ftool.

23d. He was very quiet all night, and had only one ftool without any blood; his pulfe was thready and tremulous, and his countenance ghaftly. I ordered his bark, wine, and diet to be continued. P. m. his extremities became cold; he was reftlefs with his hands, picking himfelf and his bed clothes; had a hiccup, and died at 9 o'clock.

C A S E II.

Michael Johnston, seaman, aged about 48, complained the 18th of June, of a flux, very severe griping, and pain in his bowels, which was sometimes in one place of them, and then in another, exceeding violent. His stools were bloody. I ordered him an emetick, and an opiate at night, with demulcent drink.

2d. He was no better, and he had a fevere pain in his loins. I prefcribed pulv. rhei. 3fs. his opiate, and drink. P. m. his medicine did not purge him well. 3d. He was much the fame. I repeated his rhubarb and opiate.

4th. He was yet no eafier. I ordered him pulv ipecacoan. gr. vi. three times, which purged and vomited him very well; and his drink and opiate.

5th. He was very uneasy, his abdomen was swelled and tense, his stools were small and frequent, and the tenesmus was violent. I ordered him pulv. rhei. gr. x. ipecacoan. gr. iii. f. pulv. three times (and the opiate at night) which purged him very little.

6th. His abdomen was lefs and foft, but his other complaints were the fame. I prefcribed as on the fourth. 7th. He was much eafier, and had lefs purging. I gave him farinaceous drink and his opiate only. P. m. he was feverifh, and the fwelling and tenfion of his abdomen returned. 8th.

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He had no fever, and his abdomen was the fame. I preferibed as on the fourth.

9th. He had a tolerable night, after having been well purged with the ipecacoan. His abdomen was foft, and he complained of great weaknefs. I ordered him the diafcord mixture. 10th. He was much better, tho' his flux continued. I repeated his mixture and opiate. 11th. There was no alteration until p. m. when the fwelling and tention of his abdomen returned. I continued his mixture every three hours, the decoct. alb. and opiate. 12th. He was much the fame, and had fevere gripes and pain about the bottom of his belly. I repeated the ipecacoan, as on the 4th, which operated chiefly downwards, and relieved him. After eating fome broth, the fwelling and tention returned.

13th. He was better, tho' very weak. I ordered him his mixture, drink and opiate. 14th. He complained of a fickness, and pain at his stomach. I prescribed pulv. ipecacoan. gr. x. and his opiate at night.

15th. He had the fame complaints as on the 12th, and took the ipecacoan. gr. vi. three times, which brought away feveral fcybala. 16th. He complained chiefly of a forenefs in his bowels and weaknefs. I ordered him the mixture as before, and his opiate at night was gradually increased.

17th. He continued better, but had a pain in the left fide of his abdomen. I repeated his mixture. 18th. He was troubled with flatulencies in his bowels, and expelled much wind per anum. He took his mixture as before.

19th, 20th, 21ft. He was still recovering, and continued his mixture. 22d. I ordered him a decoction of the cortex and eleuther. four times a day; his opiate at night, and allowed him wine, which he took regularly until the 26th, when he returned to duty.

This poor man relapsed, when we got to the northward, and the weather became cold, and was sent to the hospital when we arrived in England.

CASE III.

Thomas Tilefly, marine, aged about 30, who came from Jamaica hospital a few days before, as cured of his flux, complained again the 19th of June, that his flux had returned on him the day after he left the hospital, his stools then were very frequent, he was severely griped, and the teness was quite painful. I ordered him an emetick, in two hours after pulv. rhei. 3s. demulcent drink, and an opiate at night.

2d. He was very little relieved. I prefcribed his rhubarb again, and the opiate at night. 3d. He had rather lefs pain, yet his ftools were fmall, frequent and flimy. I repeated his purge, drink, and opiate. 4th. He refted

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ill from his purging, and a violent griping. I ordered pulv. ipecacoan. gr. vi. three times, and his opiate at night. 5th. He was much the fame, and complained greatly of a fuppreffion of his urine, and a pain about the pubis, which he had for feveral days, although he did not let it be known. I prefcribed two fpoonfuls of the diafcord mixture every three hours, the white decoction, an emollient fomentation, and his opiate at night.

6th. He was much the fame ftill, and had his medicines and fomentation repeated. 7th. A. m. he complained of being griped. I prefcribed the bark as for Hutchins the 16th of his illnefs. 8th. He was very reftlefs and hot in the night, from fevere gripes, and fmall frequent flools. I ordered the purge and calomel,* gr. ii. which operated well; and his opiate at night. 9th. He was very feverifh and thirfty in the night, but his other complaints were eafier. I repeated his bark and opiate as before. The supprefision of urine was gone.

toth. He had a frequent and ineffectual defire of going to ftool, and the tenefinus was troublefome. I ordered his purge as on the 8th. P. m. as he was at ftool, he puked a large lively round worm. 11th. He was much better. I preferibed the bark and opiate.

12th. He was recovering, and repeated his medicines, with the white decoction and wine. 13th. He complained of fickness at his stomach. 1 gave him pulv. ipecac. gr. x. which puked him, and afterwards repeated his bark, drink, and opiate.

14th. He was pretty eafy, and continued his medicine regularly, until the 24th, when he returned to duty. He relapfed from the fame caufe as the preceding cafe, and was fent to the hofpital when we arrived, very much reduced.

CASE IV.

Luke Coleby, feaman, a little infane at times, aged about 44, complained the 21ft of July, latitude at noon 31° 21" of a flux, with which he had been feized two days before; his ftools were then fmall, watery and frequent, and attended with a very fevere griping, and twifting of his bowels. I ordered him pulv. ipecac. gr. vi. three times, which both puked and purged him well; and an opiate at night, with plenty of demulcent drink at pleafure.

2d. He was no better, his bowels he faid, feemed to be cramped, or drawn into knots, and fometimes as if they were cut acrofs the abdomen, or pierced.

* Huxham prescribed it, vid. pag. 100. tom. II. observat. de aere, &c. as also Sir J. Pringle and Cleg. horn, to affist the rhubarb. pierced with knives. I repeated his medicine as yesterday, and the opiate twice. P. m. he was well purged again.

3d. He found himfelf much easier. I only ordered him his drink and opiate. 4th. He continued better. I prefctibed four small doles of rhubarb and ipecacoan, and his opiate with the white decoction.

5th. He complained of being very much griped and purged, and of the tenesimus. I repeated the ipecacoan, as on the first. 6th. He found himself very little easier. I ordered the powders as on the fourth. 7th. There was very little alteration, and he continued his medicines.

8th. His abdomen was very fore, and he was much dejected. I repeated his medicines and drink. P. m. he had always an exacerbation more or lefs.

9th. All his complaints were more troublefome. The diafcord mixture was repeated every two hours, and the opiate morning and evening. 10th. He was eafier, tho' much dejected. I continued his mixture, decoction, and opiates, and allowed him a little red port. 11th. He continued better, after perfpiring greatly in the night, about the head and neck. His medicines and wine were administered.

12th, 13th, 14th, and 15th. He was recovering. I allowed him his wine, ordered him pulv. cort. peruv. 3fs. with a little wine, four times a day, and his opiate at night. 16th. He was eafy, unlefs when at ftool, the griping was then violent, and the tenefinus very troublefome—efpecially p. m. I prefcribed a dofe of rhubarb, his bark and wine afterwards, and his opiate at night.

17th, 18th, 19th, 20th, 21ft, and 22d. He could hardly be faid to have recovered any thing. He was weak, very much dejected, and there was always an exacerbation of the complaints and fever towards night. 22d. He complained that his ftools which were mucous, were extremely hot. Flour boiled thin with water, to which a little wine, fugar and cinnamon were added, was the only diet he would take, and that he foon purged after eating it. I repeated his bark and wine four times a day, and his opiate as before.

23d. He was much the fame. I ordered him a dofe of rhubarb, and his opiate at night. 24th. There was no alteration. His diet, drink, and opiates only were prefcribed. P. m. he was feized with rigours.

25th. He had a tolerable night. I gave him four finall dofes of the ipecacoan and rhubarb. 26th. He continued better. I preferibed an ounce and a half of a wine infufion of the bark, four times a day, with his opiate and drink as before. P. m. his rigours returned with a fever.

27th. He refted pretty well in the night. I ordered him pulv cort. peruv. 3fs. tinct. cort. peruv. vin 3fs. aq. fimp. 3i. every two hours, befides his diet, wine and opiate. I perfifted in these medicines until the 36th day of his complaining, when I fent him very weak and emaciated to the hospital, without

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without the flux being quite gone. He was very untoward, thinly clothed, and frequently lay on the deck, in the course of his illness.

CASE V.

Rich. Enoch, marine, aged about 33, was feized the 29th of July 1773, with a chillinefs, rigours, and ficknefs at ftomach, which were fucceeded by a fever, headach, thirft, flux, and fevere gripes. He complained the 30th, latitude at noon 41° 20″, and had a dofe of falts. I was not made acquainted therewith, nor faw him before the 31ft. His pulfe was then quick and rather foft; his fkin was dry and hot, his head ached very much, he was fick at ftomach, very thirfty, frequently purged, violently griped, and the tenefmus was very painful. I ordered him the ipecacoan to puke him, which operated well. P. m. his complaints were not relieved, and his tongue in the middle was brown and rough, with a red edge. I ordered a draught of the fp. minder. eff. antimon, and tinct. theb. fweetened with fugar, and plenty of acidulated drink.

4th Day of his illnefs. He refted very ill from his flux and griping, and perfpired very little in the night; the fever and fymptoms were more moderate a. m. tho' the flux and gripes were not relieved. His ftools were mucous ftreaked with blood, his countenance was bloated, and rather wild, and he complained of his toes being cramped. I prefcribed pulv. rhei. gr. xxxv, which purged him well. P. m. there was an exacerbation of his fever, and his draught was repeated at night.

5th. He paffed a bad night. His pulfe was flower, his countenance was flushed; he talked incoherently, he was fick at his stomach, and the flux with its symptoms was very troublesome. I gave him pulv. ipecac. gr. vi, three times; and though it operated well both by vomit and stool, he was fcarcely at all relieved. I repeated his draught with more tinct. theb. and his acidulated drink.

6th. He refted the first part of the night, he was purged very often, and violently griped afterwards. He was very fractious, his countenance was fallen, and he found himself much hotter, more thirsty and reftless at uncertain times, or now and then. I ordered a drachm of the cortex in a little red wine every two hours, and an opiate morning and evening. P. m. his flux continued, he had a hiccup, but was subject to it; he drank fome coffee that his mess-mates gave him; at 7 he had a perspiration on him, and feemed better. His medicines agreed with him.

7th. He complained lefs, after having been eafy and little purged in the night. His pulse was quick and small, he was extremely weak, his tongue

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8th. He had only one ftool in the night, he complained of no pain, his countenance was ftill wild, he was unmanageable and delirious. P. m. he fwooned away twice in the day, when he got out of bed to get to the bucket, and was worfe. I applied a large blifter between his fhoulders a. m. ordered him eight grains of camphor every four hours, and continued his bark with wine only every two hours, without the tinct. theb. and allowed him wine and water with a toaft, for drink.

9th. He flept little from inquietude. He muttered, and complained of his blifter, and his pulfe was fmall and irregular. A. m. I ordered him camphor, gr. x, and the wine to be continued. There was a cadaverous fmell about him p. m. and he had the hippocratick countenance. 5 p. m. I prefcribed mofch. gr. x. in a draught, applied blifters to his ankles, and continued his drink. At 10 o'clock the hiccup was very troublefome; he had convultive rigours on him at times, and his refpiration was laborious. I repeated his draught with twelve grains of the mufk, and fupplied him with his drink.

10th. His medicines were ineffectual, and he continued growing weaker until 3 a. m. when he expired. Calculating the time properly, he died on the 9th day. From the prodigious fetor about him, he had certainly voided putrid, involuntary ftools in his bed before his death; and that circumftance prevented me from looking at his body before or after it; tho' I think it more than probable that there were external marks of putrefaction on it.

CASE VI.

Daniel Bingham, feaman, aged about 43, had been very ill of the dyfentery, for which he was fent to Port Royal hofpital, and returned uncured; but by taking medicine for fome time, he recovered. However, he relapfed foon after, and was bad a fortnight before I learned that any thing ailed him. When I faw him on August 8th, 1773, latitude obferved 45° 35" he had a shocking appearance; he was extremely weak, quite fallow, much bloated, the swelling was emphysematous, his voice was weak and hoarse, his throat was fore, he was very often purged, violently griped, thirsty, had no appetite, was quite languid and desponding, and his pulse very feeble. As it was then late p. m. I only ordered him an anodyne and drink.

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2d Day of my feeing him, befides his other complaints, he had a ficknefs at ftomach, and a tenefmus. I prefcribed pulv. ipecac. gr. vi twice, and camomile tea to drink. He was both vomited and purged, and had fome eafe. I allowed him a little wine, repeated his opiate at night, and applied an epithem to his throat.

3d. He had a bad night from his purging. I gave him pul. rhei. 3 fs. nuc. mosch. gr. x, continued his wine, repeated his opiate, and renewed his epithem.

4th. He was very reftlefs, and complained much the first part of the night, yet was easier a. m. though none of his complaints were removed. I ordered him pulv. rhei. gr. vi. tart. emet. gr. ff. theriac. androm. gr. v. aq. fimp. 3i. facch. alb. q. f. pro hausta, four times a day; his wine and opiate at night.

5th. The flux and gripes were violent the first part of the night; he had no perspiration on him, and he was weaker. I continued his draughts, wine and opiate. 6th. There was no alteration on him in any respect for the better, nor was there any made in his prescriptions.

7th. He was eafier than ufual the first part of the night; he got out of bed infensibly the latter, and had much pain in the abdomen. A. m. he flept fome; when he awoke his tongue was black, his teeth were crusted over with fordes, and he was very thirsty. His pulse was now extremely weak and irregular; and as the emphysematous swelling was almost gone, he was quite ematiated. I applied a blifter to his back a. m. and endeavoured to support him with wine. He died at 6 p. m.

Query. Was this cafe what is termed, a fcorbutick dyfentery?

I cannot properly infert the cafes of the other two men who died of the Jamaica dyfentery, because they were a confiderable time at the hospital, whence they returned very ill, and continued fo until they died. They both died with the fymptoms of a putrid rectum. viz. vomitings, a suppression of urine, and black putrid and very fetid stools. They took bark, were allowed red port, had opiates, emollient fomentations, and antiseptick injections, with a light diet.

SECTION VII.

Cafes of the Dysentery which happened to the southward of the Equator.

CASE I.

T Homas Watts, marine, aged about 32, who never had been in a hot climate before, was feized March 31st, 1774, p. m. with a flux, and complained plained April 1ft, lat. 00° 49" fouth, of a bloody flux, with violent gripes and pains in his bowels; he was fick at his ftomach, thirfty, and his pulfe quicker than natural. I prefcribed pulv. ipecacoan, gr. v. three times, which operated well by vomit; an opiate at night, and plenty of drink.

2d. He had a very bad night with his flux and gripes. His bowels were as if contracted into knots; and the tenefmus was exceeding painful. I prefcribed pulv. rhei, 3ii. fomented the abdomen, and repeated his opiate at night with demulcent drink.

3d. His complaints were still violent, his pulse too was quick, and his thirst infatiable. I ordered him a dose of fal. cath. amar. and his opiate at night. P. m. he was well purged. 4th. He was easier in the night, unless when at stool, which was often, and then he was violenty griped. A. m. he complained of his bowels being very fore. I repeated his purge, opiate and drink.

5th. He refted tolerably, was much easier, and had a moderate perspiration on him. I gave him only plenty of demulcent drink, and his opiate at night. P. m. he eat fome mutton broth without my knowledge.

6th. He was often purged, feverely griped, and the tenefmus was very troublefome in the night. I repeated the folution of the fal. cath. amar. in a fmall quantity every half hour, which procured him fome large ftools, wherein were fcybala, and relied him greatly, and his opiate at night.

7th. He was frequently purged and weak, but was much eafier, had a little appetite; and eruptions broke out on the left fide of his check and chin. I ordered him four fmall doses of rhubarb and ipecacoan; a very light diet, and his opiate as before. P. m. he purged as foon as he eat any thing.

8th. The flux continued though he was eafy, and perfpired freely. I repeated his powders, regimen and opiate, which was tinct. theb. gt. xl.

9th. He had an eafy night, perspired, and was hungry. I made no change in his prescriptions. P. m. he made frequent vain attempts for a stool.

Joth. His flux and the tenefmus continued, and the eruptions about his mouth looked angry. I ordered him the diafcord mixture every two hours, with his diet and opiate at night. 11th, 12th. He was confiderably better, and took his medicines.

13th. He was often purged in the night, and his bowels, he faid, were drawn together. I ordered the fal cath. amar. as on the 6th, and his opiate as ufual. He was not fufficiently abstemious. 14th and 15th. He was very weak, though much better. I repeated the diafeord mixture and opiate, with his regimen as before.

16th. He was reftless and much frightened the first part of the night, from a man's dying by him. I therefore repeated his opiate with a little wine. A. m. he was better, and took his medicine as before.

17th

17th and 18th. He recovered flowly, and no alteration was made in his. 10th. He had feveral bloody ftools in the night without prescriptions. gripes. I ordered him pulv. cort. peruv. 3 fs. every two hours, with a little red wine, and his opiate, which was opii gr. i. at night.

20th. His bark purged him. Tinct. theb. gt. viii. was added to every 21ft. He had an indifferent night with his purging. I prefcribed two dofe. fcruples of the bark every two hours, with an opiate and wine, and the diafcord mixture fometimes, with a light diet. This method I followed regularly until the 27th, and then he could not be faid to have recovered in the leaft. He was by no means abstemious with regard to his diet, and whatever he eat, immediately paffed through him. He was purged and griped. I ordered him pulv. rhei. gr. xii. ipecac. gr. v. theriac. androm. gr. viii. aq. fimp. et fyr. com. fiat hauftus; it purged him well, and carried off the griping.

I again put him on his course of bark with wine and opiates, and a light diet, notwithstanding which, he was very weak, and his flux continued on the 37th of his illness, when I fent him ashore to Antigua hospital.

CASE II.

Daniel Marrow, marine, aged about 34, who never had been in a hot climate before, was feized the 1st of April, 1774, but did not complain until the 2d, lat. observed, 01° 16" S. His symptoms were the same as the preceding cafes, and he was much dejected. I prefcribed the emetick, opiate and drink.

2d. He was violently purged and griped all night, his thirst was infatiable, and his pulse was quick and full. I ordered him the purge of fal. cath. amar. and though he was well purged, he found himfelf no eafier; his drink and opiate were repeated.

3d. He was exceedingly troubled with inquietude in the night, from the violence of his complaints. A. m. he was a little easier, and had a perspiration on him; yet his fkin was neverthelefs difagreeably hot, and an uneafy fensation remained on the fingers after feeling his pulse. I repeated his purge and opiate as before, and indulged him with toast and water at pleasure, as he was defirous of it for his drink.

4th. He was easy while the effects of the opiate remained only; afterwards, he faid, his bowels were twifted, drawn into knots, and feemed to be cut and pierced with knives; and his tenefmus was very painful. I repeated the purge and opiate, and continued his drink. P.m. he was eafier after beingwell purged.

5th. He had a better night, was eafier, and had larger ftools. He was, very weak, dejected; and a little thin fago, which he requested and eat, did not

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not agree with him. I gave him drink and his opiate only, befides the fago.

6th. His pain and tenefmus were eafier, though he was very weak from inceffant purging; and though fago purged him, he was anxious for it. Inftead of the diafcord mixture which I ordered him, he was given three fmall³ dofes of the ipecacoan, and his opiate at night.

7th. He was greatly fatigued in the night, with a frequent and fruitlefs attempt to eafe himfelf; he was thirfty, much dejected, and his pulfe was quick and fmall. I prefcribed pulv. rhei. Bii. theriac. and rom. gr. viii. in a draught, and his opiate at night.

8th. He was much worfe; the fruitlefs attempt of eafing himfelf continued, without any griping, he had an inordinate craving and anxiety, he lay on hisface, his countenance was wild, his tongue was covered with a light brown mucous, and he wandered. Emollient clyfters + were injected, and the abdomen was fomented. I ordered the diafcord mixture every two hours, the opiate to be repeated every four hours, allowed him red wine, and gave him the white decoction, or water and toaft for drink.

9th. All his complaints were the fame, and his ftools were only a little fanies, tho' he faid he was better—he now lay on his back, his medicineswere continued. The injections were a ftrong decoction of the cortex, and eleuther with opium. P. m. his fever increased, his tongue was black, his teeth were crufted over with fordes, his defire of easing himfelf, with a painagain in the abdomen, and his other complaints, continued.

10th. He paffed a very bad night, and grew worfe. His medicines were continued; a little warm wine was allowed him at intervals, and the antifeptick injections were repeated. P. m. he had ftill an ineffectual defire to eafe himfelf, he was extremely weak, his extremities were cold. At 8 o'clock, a hiccup came on, with convulfive catchings, and he died at midnight.

CASE III.

Daniel Waughan, marine, aged about 30, never had been in a hot climate before, was feized the evening of the 12th of April, 1774, latitude at noon, 04° 41" S. the day that the preceding cafe was buried, with an excruciating pain in his bowels, which was foon followed by a flux. When he complained

[†] My mate informed me, that when he gave him the first injection, the anus was fo much dilated, he could put all his fingers into it; that a bloody fanies was dripping from it, and that fearce any of the injection was retained. He complained of great pain too in receiving them, and there feemed to be an obstruction in it.

plained in the motning of the 13th, his flux and griping were very fevere, and he was exceffively dejected, and afraid of dying. I ordered him three fmall dofes of the ipecacoan, which vomited and purged him well, an opiate at night, and demulcent drink. P. m. he faid he was eafier.

2d. He continued eafier, but his despondency and dejection were still the fame. I prescribed a dose of the fal. cath. amar. which purged him, and his opiate as before. P. m. he was feized twice with a deliquium. I allowed him wine now and then.

3d. He had a very bad night, from his having frequent bloody ftools, without pain or griping; he was very fick, and feized with his deliquium again a. m. His countenance was wild and frightened feemingly; he had fcarce any pulfe, and there was a cold clammy fweat over him. I ordered him cardiacks with wine, and applied a large blifter between his fhoulders. P. m. he was comatofe; he anfwered queftions very indiffinctly, and was very defirous of getting frequently out to ftool. His fkin became hotter a little before 9 o'clock, when he died. Fear alone feemed to have hurried him off fo quickly—He had been poxed, and, I underftood, took medicines of his own-

CASE IV.

Benjamin Nixon, feaman, aged about 39, a hard drinker, on the evening of the 16th of April, latitude at m. 03° 04" S. complained of a flux, fevere gripes, a vomiting at times, and great thirft; his pulfe was quick, and his fkin hot. 1 ordered the ipecacoan in fmall quantities, an opiate at night, and plenty of drink. P. m. the ipecacoan brought much bile up, and purged him a little.

2d. He had a very reftlefs night, and was no eafier. I prefcribed the falts, thin gruel, an opiate at night, and the white decoction. He was very thirfly p, m. and he had frequent fmall flimy flools, yet was lefs griped.

3d. He found himfelf no better after much inquietude in the night. I repeated his purge; drink, and opiate as before. P. m. he faid his bowels were contracted to one place; his griping was violent, and the flux continued with a painful tenefmus.

4th. He was no eafier, but was very weak and much dejected. I ordered him a grain of opium every four or fix hours, as the pain required, fomented the abdomen, and gave him the common emultion, and white decoction for his drink. P. m. his thirst was lefs, and he found himself a little easier.

5th. He was much better. I repeated the opiates and his drink only. P. m. he had the violent gripes feldom, and though his ftools were frequent, they were larger, and voided with lefs pain.

6th.

6th. He found himfelf worfe. I preferibed three fmall dofes of ipecacoan, which vomited him a little, and purged him well, and his opiate at night. P. m. he was much eafier.

7th. He refted tolerably until midnight, when his griping began to be violent at times. I repeated his opiate twice, and continued his drink. P. m. he was not griped, but was very weak. 8th. There was hardly any alteration on him. I ordered the diafcord mixture every two hours, his drink and opiate.

9th. He was better, tho' very weak. He got pulv. rhei. gr. xii. ipecacoan, gr. i. theriac. androm. gr. viii. in a draught, and repeated three times, inflead of the mixture which I prefcribed. P. m. he did not find himfelf worfe.

10th. He had a cold fweat on his face at times, tho' his complaints were eafier, and his fpirits were tolerable. I ordered the mixture, opiate twice, and his drink as before; and allowed him a little red port.

11th. He continued better, though very weak, and was diffurbed in the night with a man's dying; his fpirits were good, and he had an appetite. I repeated his medicines, wine and drink. P. m. he complained of a little griping.

12th. P. m. he became much worfe, he was feverely griped, and reached when at ftool; he was much dejected, and his pulfe was quick and fmall. His mixture, opiates and wine were given him regularly, and emollient clyfters with tinct. theb. injected.

13th. He had a bad night. A. m. he was eafier, the reaching being gone. I ordered him the terra japonic. in the form of a mixture, with tinct. theb. aq cinnamom. fp. fyr. fimp. et aq. commun. every two hours; his wine at intervals, and the antifeptick and aftringent clyfters to be administered. P. m. his stools became more frequent, his countenance hippocratick, the pain ceased, and a hiccup came on with extreme weaknefs.

14th. The hiccup increased. I repeated the medicines and his wine frequently. P. m. he spoke little, was extremely result is, and had a large putrid stool. The injections were continued, and a musc draught given him every four hours. 15th. He was speechless, yet took his medicines until 8 p. m. when he died.

CASE V.

Dudley Blackey, seaman, aged about 28, on the 19th of April 1774, lat. at m. 01° 05" S. complained that he had had a purging for two months before; whether that was true or not, he was much emaciated, very giddy, his eyes were painful, he was then much griped when at stool, and his pulse was was fmall and quick. I ordered him pulv. ipecac. gr. v. three times, an opiate at night, and demulcent drink.

2d day of his complaining. His flux, gripes, and the tenefmus, were very troublefome. I prefcribed the fal. cath. amar. 3i. and his opiate. P. m. he was much better, having been well purged. 3d. He was much the fame. I gave demulcent drink and the opiate only.

4th. His complaints and purging were more troublefome. I repeated the ipecacoan, as on the 1st, which vomited him a little, purged him very well, and relieved him much. He took his opiate at night.

5th. He continued better. I ordered him four small doses of rhubarb and ipecacoan, with opiates, and the white decoction. 6th. He complained of great weakness and hectick heats, and of being more purged and griped. I repeated his powders, opiates and decoction.

7th. He found himfelf no better, his giddinefs and other complaints being ftill troublefome. I ordered him the diafcord mixture every two hours, and his opiate at night. P. m. he reached. 8th. He was much the fame, and complained of a pain in the lower and back part of his neck. His medicines and drink were repeated, and I allowed him a little wine.

9th. He was fick at his ftomach, and much griped. I ordered him three fmall doles of the ipecacoan, his opiate, wine, and drink. 10th. After midnight his flux, tenefmus, and gripes became more fevere. I prefcribed pul. rhei. gr. xii. ipecacoan, gr. v. theriac. androm. gr. x. in a draught, which procured feveral large ftools with fcybala, and eafed him. At night he took his opiate.

11th. The abdomen was tenfe, and he was feverely griped at times. I repeated his medicines, wine and drink, as on the 8th. 12th. There was no alteration on him, nor any made in his prefcriptions.

13th. He was no better of his flux, the hectick heats were greater, and he had pains in different places. I ordered him pulv. cort. peruv. *ii. tinct.* theb. gt. xv. every two hours, and his wine. 14th. His head ached, and he had wandering pains. P. m. he complained of a tinnitus aurium. His medicines and wine were regularly administered.

15th. His flux, tenefmus, and griping, were eafier, tho' his other complaints were more troublefome. I prefcribed pulv. rhei. gr. x, tart. emet. gr. ff. theriac. gr. vi. three times, and afterward his bark and wine as before. P. m. his fever, wandering pains, and tinnitus aurium continued.

16th and 17th. He did not recover, though his bark and wine were regularly given him, and the rhubarb, with tart. emet. at intervals. 18th. He was fent afhore to Antigua hospital.

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CASE VI.

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Richard Hardie, marine, aged about 28, who had never been in a hot climate before, complained that he had been feized the preceding day, with a flux and griping, that his ftools were more frequent, fmaller, and bloody; his gripes and twifting of his bowels were more violent. He had a painful tenefmus, and his thirft was great, his pulfe was quick, and rather fuller than natural. I ordered three fmall dofes of ipecacoan, demulcent drink, and an opiate at night. P. m. though he was well vomited and purged, he was not relieved.

2d. He had a bad night, and his complaints were the fame. I prefcribed the fal. cath. amar. his drink and opiate. 3d. He was not in the leaft better, after a reftlefs night. I repeated his purge with an opiate, his drink as before, and his opiate at night. P. m. he continued the fame, and looked wild.

4th. He refted a little in the night, and was not relieved by it. I repeated the three fmall dofes of ipecacoan, and his opiate at night. P. m. his ftools were very fmall, frequent, and bloody; he reached at times; his hands were wet and cold, though his feet were warm; his countenance was wilder, and he wandered. I allowed him wine now and then, and repeated his opiate at night.

5th. He was very reftlefs, and wandered more in the night. He had frequent fmall ftools, yet complained of no pains; and his legs were cold. I continued his wine, applied a large blifter between his fhoulders, and adminiftered antifeptick clyflers. P. m. the purging was abated, and his extremities were warm, but his wandering continued. I was informed that he fell down the fore cockpit hatchway in the night, when he was out at ftool, through the careleffnefs of the attendant—he complained of no part being hurt. At 8 o'clock he was very delirious, calling out for his companion who died the 14th of the month, and died at midnight.

The reafon why I have taken fo little notice of the daily appearance of the flools, is, there being but few neceffary buckets in the fick births, and a number of the fick ufing one, it rendered it impofible to diffinguish the different flools; nor was it practicable to get a feparate bucket for every patient to remedy that inconvenience.

SECTION VIII. - The Conclusion.

IN the general account of the fever, as well as in the cafes which are inferted to illustrate that, I have been particularly attentive to infert the real real occurrences only, and in the fame order which they appeared. I made it my principal fludy to attend to the commencement of the paroxyfms and remiffions; and alfo to the different fymptoms of each. As to my manner of administering the bark, I imitated no individual, for I never met with any author on the fubject who prefcribed it near fo liberally; nor does the fuccefs with which it was accompanied, give me the least reason to repent of my having deviated fo widely in that particular, from men of the greatesteminence in the profession.

The daily fymptoms of the dyfentery are minuted exactly, together with the medicines which I prefcribed; from whence it is obvious, that I imitated Huxham and Sir John Pringle's method of treating it, but chiefly the latter, except in giving the bark when it became chronical; and I am forry to fay, that it was of very little fervice in the way which I gave it; nor can I help thinking that I was unfuccefsful in my method of treating that difeafe.

Many circumftances concerning the fever and dyfentery in particular, and the other difeafes in general which are mentioned in the Monthly Reviews, efcaped my obfervation perhaps, notwithstanding all my attention. However, I am hopeful that those which I did collect, and have faithfully represented, may not prove altogether useles hereafter, to such of my Brethren as have never yet been employed on the coast of Africa.

Indeed, as it is evident from the just comparison that I have made, page 15th, between the remitting fever, which was epidemick at different times on the island of Minorca, while *Cleghorn* was there; and the one which occurred on board of the Weafel (or even the Rainbow) on the coast of Africa in the rainy feason, that they differ only in a very few immaterial circumstances; notwithstanding, while the fever raged on board of his Majesty's ships the Weafel and the Rainbow, they were failing at fo great a distance from the land, that the noxious exhalations emitted therefrom, could not possibly have any influence or effect upon the fituation of the fick.

And as I am convinced from my own obfervation on the difeafes which occur in the Weft Indies, and at Penfacola, and likewife from confulting moft of the authors who have wrote upon difeafes of hot climates, that those difeafes are effentially the fame in all of them, how widely foever they may apparently differ amongst the patients, from their peculiar habits, and external circumftances, nay, not any two cafes of all my patients, either in the fever or flux, were in every respect alike. It can hardly be expected then, that one fever on board of a ship in the Ganges, and another fever on board of a ship in the river Gambia, in any feason of the year, should be exactly fimilar, though the fever in both the sis of the same genus, and will in like manner be cured by one and the same method—bark alone. From those circumstances,

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I have fufficient reafon to think that this Journal will prove in fome degree ferviceable to those of my Brethren who never yet have been in any hot climate, when their bufiness calls them there—Should it fortunately answer that end, 1 shall think myself fufficiently rewarded for my trouble in keeping it, and prefenting it with all submission to the Publick.

END OF THE JOURNAL.

POSTSCRIPT.

SECTION I.

Observations on Bark being used as a Preventive from Sickness on the Coast of Africa.

ROM the preceding Journal, it appears that the remitting fever was never epidemical on board of his Majefty's ship Rainbow, but on the first voyage; and that they only were feized with it then, one cafe excepted, who had been employed on fhore duty, and of whom very few efcaped being more or lefs ill. But in what manner the noxious exhalations which are emitted from fwamps, covered with impenetrable woods and fhrubs, which contain putrid vegetables, corrupted fifh and infects, together with the affiftance of heavy dews-operate upon the human body to produce fevers, only bare conjectures can be formed. To know that arcanum, would certainly be matter of great fatisfaction to the curious, though perhaps the knowledge thereof could import far lefs advantage to us, than would the difcovery of a method to prevent the poifonous qualities of fuch exhalations, from injuring those people who must necessarily be exposed to them, as the companies of his Majefty's fhips employed on the unhealthy coaft of Africa, are. A difcovery of that nature is perhaps thought too trivial to merit general attention; but it is of no lefs confequence to his Majefty's fervice, than the prefervation of feamen's lives; the lofs of which, whatever may be fuppofed to the contrary, or how indifferently foever it may be effeemed, is certainly a real national lofs; and therefore, whoever heartily endeavours to prevent it, merits the regard of the Publick.

Dr. Lind is the only perfon, who can be faid to have laboured ftrenuoufly or fuccessfully in the prophylactick part of medicine, for the benefit of his his Majesty's navy in particular. His esfay on the most effectual means of preferving the health of feamen, and his treatife on the difeafes which are incident to Europeans in hot climates, were wrote principally for that purpofe, though too little regard is paid to the excellent inftructions which they contain, both by furgeons and others. For notwithstanding that he has fo highly condemned the dangerous practice of fuffering the men to fleep ashore from their thips, on the dangerous or very fickly parts of the coaft of Africa, and even though the fatal effects of that cuftom are woefully experienced on board of his Majefty's fhips, it is not yet exploded.

Without fuffering the men to ly ashore, they will be in too great danger of fickness from doing their duty there by day; and as very little time is taken up in landing them every morning, and getting them on board again in the evening, the fervice will thereby, ftrictly fpeaking, be more forwarded, inftead of being retarded; because the dangers to which their health is exposed, chiefly from fleeping ashore in the night, will then be certainly avoided.

The fituation of our watering party at Sierra Leon, the first voyage, and the weather, together with the fituation of our people the night that they lay ashore at St. Thomas's, foon after, are particularly taken notice of in the What an abominable place is the ifland of St. Thomas, for Journal. men to ly ashore at, if there be a possibility of preventing it, when out of fifty and odd men, that were only ashore one night, in a house with several large fires, few of them escaped without fickness! Apprehending the confequence that would enfue therefrom, and imagining that a large dofe of the tincture of bark might at leaft be comfortable to them, I fent next morning a fufficient quantity of Huxham's tincture for each of them, which was carefully diffributed by my mate, in a glafs of wine that Captain Collingwood allowed them. No perfon by the bye could have expressed more uneafines for their fituation than he did, although it was not in his power to have prevented it. When they came on board, many of them were exceedingly dejected, and complained, but they were unanimoully of opinion, that the tincture of bark and wine had been of very great fervice to them.

Reflecting therefore on that circumstance, I thought that a dole of a strong wine tincture of the bark, given to the men every morning, before they were to be fent ashore on duty upon the coast of Africa, might be very serviceable in preventing their getting fevers, I communicated to Captain Collingwood, the following voyage, my intention of profecuting that fcheme, if he approved of it; and would, in cafe there should be a necessity, give orders for their taking the tincture. I intimated to him, at the fame time, in what manner it might be introduced on board of his Majefty's fhips employed on that fervice afterwards, through his affiftance, if it fucceeded in the Rainbow. He readily concurred with me to make a trial of it, and affured me if it did fuc-Đdd ceed,

ceed, that he would use his utmost endeavour to get fuch a falutary measure introduced on board of his Majesty's ships employed on that coast. I then commenced a correspondence * with him upon the subject; and he was pleased to direct Captain Robertson, commander of his Majesty's floop Dispatch, by a letter, to advise Mr. Perry, the surgeon under his command, to adopt the fame scheme, and at the end of the voyage to get his report of its effects in writing, and transmit it to him; which, together with my report of its effects on board of the Rainbow, he sent up to the Secretary of the Admiralty, as well as all the letters, and copies of letters which were wrote upon the subject, inclosed in one, wherein he recommended the scheme to their Lordships, and requested that they would be pleased to allow us for our expence in making the tincture, as soon as the ship arrived in England.

In their Lordships answer to Captain Collingwood, they were pleafed to inform him, that they had fent the reports of the furgeons upon the fubject to the Commissioners for Sick and Hurt, to know their opinion of it; and defired them to call upon the furgeons for their accounts of the expence which. they had been at in making the tincture. The Sick and Hurt Board accordingly wrote to us feparately; and in my answer to them, I inferted the formula of the tincture, which was Ibvi. cort. peruv. in crafs. pulv. rad. gentian. incis. Ibii. rad. ferpent. cont. Ibi. put into a quarter cafk of wine-but we failed again for the coaft, without my hearing any more from them. I therefore perfifted in my own scheme, only adding cort. per. Ibi. a proportionable quantity of the rad. & aurant. parv. Ibii. to the quarter cafk of wine, the last voyage, more than I had done the preceding one: and when we returned. to England, I gave Captain Collingwood a report of its effects, which he fent, with the different letters on the fubject, and one of his own to the famepurport as the one he had fent before to the Secretary of the Admiralty, who informed him by their Lordships' directions, that they had ordered the Commiffioners for the Sick and Hurt to repay the furgeons their expences for making the tincture, and to fend them their opinion of the matter. But previous. thereto, that board thought proper to confult the phyficians of the different hospitals, and some of the most eminent physicians in town, thereon, who were unanimous in their opinion. - They afterwards acquainted their Lordships, that the happieft effects might be expected from giving the bark, as a preventive from fickness, to the men who might be fent ashore on duty upon the coaft of Africa; but that instead of a tincture, they had recommended a drachm of the powder, with a gill of wine to be given every morning and evening.

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* It continued afterwards, until the Rainbow arrived at Spithead from her laft voyage.

In confequence of which, the lords of the Admiralty were pleafed to order bark and wine to be purchafed at the Government's expence, and to be fent on board of his Majefty's fhips the Pallas and Weafel, the two fhips which were fent to the coaft this year, with directions to the commander of the Pallas concerning it; and likewife ordered the Commiffioners for Sick and Hurt, to fend fuch directions to the refpective furgeons, as they thought proper, with regard to administering them; and to direct them to keep a particular account of the effects thereof, and transmit the fame to them when the state of the effects thereof, and transmit the fame to them when the fhips returned to England. So that I have at last the pleasure of feeing that fcheme, which in all probability will be the means of preferving many lives to his Majesty, established by their Lordships' authority, through the affistance of Captain Collingwood, and the candour of the Commissioners for Sick and Hurt, who have fince repaid me for my expences.

In discouring with Dr. Lind on the matter upon our arrival in England,, after I had first made trial of it, he informed me that he had for the like purpose recommended, in his Effay on the most effectual means of preferving. the health of feamen, a bark bitter; and on my telling the Doctor that I never had feen that valuable effay, he flowed me therein the article mentioned, and was fo obliging, as to infift on my accepting of the copy of the Effay--which I acknowledge is not the only favour that he has conferred on me. I own too, that I was a good deal pleafed to find, that I had adopted that proposition of the Doctor's, without knowing that it was one of his. Before I formed my scheme, I knew that the people on the coast of Africa, as well as the officers and gentlemen on board of his Majefty's fhips, took a little tincture of the bark, either in a glafs of wine or water every forenoon, as a ftomachic ; but I never heard of its being given to the fhips' company as a preventative from ficknefs. Therefore, as I fucceeded in perfecting it* by the method and affiftance which I have mentioned, I hope it will prove an inducement. to my brethren, for introducing improvements of greater moment on board of his Majerty's thips, for the health of the feamen; and I hope that my defire of propagating fuch an ufeful remedy, will plead an excufe for my having. been to particular on the head. +

SECTION

* See the fuccels with which it was attended, mentioned in the Monthly Review.

+ N. B. An account of the fuccels of the scheme, on board of the Pallas and Weafel, shall be fent to the Printer, when the Pallas arrives.

SECTION II.

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Reasons offered for the necessity of supplying his Majesty's ships, employed on foreign service, with Bark, after the same manner that they are supplied with elixir of vitriol, or Doctor James's Powders.

PEruvian bark is effentially neceffary in curing various difeafes of all climates, particularly of hot ones; the confumption thereby is fo great, and the price thereof confequently fo high, that the furgeons of his Majefty's navy not being able to purchafe a fufficient quantity to ferve the purpofes for which it is really wanted on foreign fervice, lofe many of their patients lives, which they could otherwife preferve.

I am forry to fay, that this was my cafe in 1769, upon the coaft of Africa, in the Weafel, and that it was Mr. *Curry*'s likewife, furgeon of that fame floop, and upon the very fame flation, in 1774. Notwithflanding we had each of us more than thrice the quantity which is put up in the medicine cheft for foreign fervice, it was not half fufficient for the number of patients we had. Mine were thirty-two bad cafes of the remitting fever, befides a number of other cafes wherein I did and would have prefcribed the bark more freely; and upon a medium, every one of those thirty-two cafes would have required ten ounces, which in all would have been 20 fb. and bark at Apothecaries Hall, on a moderate calculation, is twelve fhillings and fixpence per lb. and was lately at the enormous price of feventeen fhillings and eight-pence there; fo that 20 lb. would have flood me in twelve pounds ten fhillings, above one fifth of my pay; and, at leaft, I might allow 4 fb. more, for other uses, which in all, would have coft fifteen pounds, the fourth part nearly, of my annual pay, for one article of medicine only.

At the end of my Journal for that floop, I reprefented to the Commissioners * for Sick and Hurt, the distress that I was in for want of bark, with the confequences which attended it; and entreated them that they might be pleafed for the good of his Majesty's fervice, to use their endeavour to get all his Majesty's ships, employed in hot climates, supplied with it, after the manner that they are supplied with elixir of vitriol, or James's powders.

As I reeceived no answer from that board, I fet on foot a plan for the furgeons petitioning the Admiralty, to allow bark for his Majesty's ships employed on foreign fervice, after either of the ways which I have mentioned, or as they should think proper; but unluckily, being ordered to sea before I could

* The predeceffors of the prefent Commissioners, but they did not think proper to take the least notice of the matter.

could get it completed, the matter dropped in my absence, and has not fince been renewed.

I would therefore, with all deference, beg leave to recommend it to the most ferious confideration and attention of the prefent Commissioners for Sick and Hurt; the effecting of which, will not only be a task fuitable to the known humanity of these Gentlemen, but will in like manner evidence their study to promote the real benefit of his Majesty's fervice in their department.

But it may be urged, that my plea for requefting this expensive innovation, is only grounded on two inftances which occurred upon the coaft of Africa; and that his Majefty's fhips employed there now, are furnished with means for preventing fickness from shore duty, whereon the principal danger of contracting fickness there depends. I grant it. Yet the time of these ships, after they leave that coast, continuing in a hot climate, where the people are always liable to bad fevers and other fickness, is very confiderable; and that therefore, they ought to be better prepared against fuch evils than the furgeons are capable from their circumstances, to prepare themselves.

Should this argument be deemed infignificant, I beg leave to furnish them with a far more fatal instance than either of the two which I have mentioned, of the want of bark in the army, as well as in a large fleet of his Majesty's ships during the late war, at the reduction of Havannab, when thousands, I may venture to affirm, were loss for want of bark chiefly.—A period therefore, which, for the mortality both of feamen and foldiers, will be memorable throughout his Majesty's dominions for many ages. There was a general want of that precious medicine, both in the fleet and the army, when they were very fickly, until providentially, a capture of a large quantity thereof, was made in one of the enemies ships, which was carefully divided betweenthe fleet and the army.

I shall now leave this important matter before the Sick and Hurt Board, for the Commissioners to reflect on as they think proper, after prefuming to fay, that if they do procure his Majesty's ships which are employed in hot climates, to be supplied with bark, after either of the ways which I have taken the liberty to mention, or as they themselves think fit, at the Government's expence, it will be a certain method of preferving annually to his Majesty, many valuable lives, which otherwise will be lost. No expence whatever, in my opinion, can justly be put in competition with the prefervation of the lives of his Majesty's feamen or subjects.

I beg leave to acquaint my brethren, in the mean time, that Doctor James Holfack, Phylician to the royal holpital at Greenwich, who furveys our medicine chefts, and the lifts of fupplies which we write to Apothecaries Hall for, is not only fo obliging as to order double the quantity of bark to be put

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in our chefts, to what is specified in the old established printed form of supplies, and a proportionable less quantity of other articles of medicines, which are feldom wanted, but also indulges the surgeons with any medicines of their own, that they apply for, instead of those mentioned in the printed invoice. Though, unless they amount in value to the sum which is established for us to lay out for medicines, according to the rate of the ship we are in; they may expect, that he will order such an addition of other articles, which are most fuitable for the station that the state state state and upon, as will make up that sum.

By this means therefore, until we are fupplied with bark at the Government's expence, which I fincerely hope will be foon, they may provide themfelves with a greater quantity of bark, and of the other most useful articles of medicine, in place of those which are less useful, without putting themfelves to any extraordinary expence, which many of them perhaps have done hitherto, from their not knowing this circumstance.

I must also do Doctor *Hoffack* (whose friendship I have been favoured with for some years) the justice to declare, that it was chiefly owing to his perfuasion, that my Journal and Observations would hereafter be ferviceable to Surgeons who have never yet been in a hot climate, particularly on the coast of Africa, when they go there, that I was prevailed upon to offer them to the Publick.

FINIS.















