Sanitary concerns

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Sanitary Concerns

Reports galledial Officers
on the Sanitary Condition
of the Denny in the I human
during the months
of Nov. Local 1854 - A Jant
Heft 1855

Sanitary concerns' Metereological conditions in Prince, 1822 - 34 (from Demidolls Voyage) Monthly oto on A &'s returns, June would 185% Cholica in French army (in rais for July 1854) Summary of monthly returns, 1st Do Nov. 1854 & Dec. 1854 Exciting course of Distance, Grandier Guards, Dec. 1856 Monthly summary, and Diva Dec 1854 /2 versions) 4th DIV Dec 1854 Monthly summary 44 DN Jan. 1853-Light DN Jan. 1855 Light Div Feb. 1853 17-24 Fel. 1855 2 25 Febr - 3 Mar. 1855 44 Dr. Weekly report 3 rd DNI Mar. 1855 Mar. 1855-Rough notes on March returns Sour rough notes on Felicins Sickness in cavalry rarillary May - July 1805

Remarks on Ox ording 30 Sept 1855

FRR6/1 Mun Kapuatem allymphenopol from I Lany 1832 to 1 Lang 1834 with an lactur before bat thank from the north: at authoration of 840 highiele fut about the Lea. Sime Demidoffed Voyage 1422 Temebledition (the temperature, have been hedress to Tatrenheit Scale) 26 Van Mean of dunise Mininten 24 hours Majintum Jung 32.0 22.0 (So is organal frithmest he reconsery The 29.6 29.3 Les below) Mauh 42.8 26.0 48.9 april 60.6 43.8 52.2 May 70.7 61.4 54.6 Lun 77.7 58.4 68.1 79.6 July 60.2 70.0 Alequat 65.1 55.2 75.9 lef lander 647 49.1 57.9 atho 40.9 52.1 45.9 Mounte 35.1 40.6 38.0 buch 304 18.7 33.6 Mar 43.2 July is usually the learnest month and Survey the coldect over)

the mutintum of the year varies from 84 (1811) 6 95 (1 1824) ?

The minimum - " - 9.5 (1824) \$ - 20" (1828)

The quality heat is believe the 20 co Sure and 10 a largent

Cold - 6 Sauf - 15" Situacy The first front men date " 84 Orthe Whenes 23 orto (1839) 25 The 18; . last " 6" april - 18" March (1828) 29 "Upine (185) The mean temperature at Mitcha with South Cond in 1836- 27 430 was 54.6 undet Symphersfore 50.9 differen 3.5. Calculating from the deffrance of theonters between Syruphuspol and Mitches this grow a decrease of husping of 10 for long 220 futof elevation

Observations for June 1854 Ou the Several The general health of the Troops Stale of Health Lerwing in Turkey during the month of of the Brooks and coutes of Jude has been good, du the mortality any purhealou Illunk may be considered moderate. allate which mey be prevalent A Gallipoli Some Cases of in reference to Hener occurred which assume a Sophoid the numbers form and in Several of them the distable reported suk was complicated with affections of the in the Several Lungs. At Scutari too the lof Stegiments Regunents which occupied the old portroto of the Infantry Barrack had Some Levere and Salal Cases of fewer . There was a tendency to lasseness of the Bowels towards the end of the mouth but in no inthuce did the complaint assume an aggrevated Tenereal complaints have been common but as they were all brought out form Ingland we may look for a gradual thumunition of their number such Succeeding month - The Ratio of such to well husberry 41-301 per thousand o. 659 per thousand. The Deaths which have taken The causes of any Ex haordisory 1 hlace have been chiefly from fever and affections of the Lungs that no number of Casualties which thay have exhaoidinary number of death's hat occurred in any occurred in any Requient in the Regiment Command

Memoranda, for July 1864. In refuerce to the frequency Relian.

In my observations on the Return for the month of June, Inclined that looseness of the bowels had become preguent among the men. This desposition to Diarhes became almost general amongst both Offices, and men in all the Campo in and about Karna in the course of the present month, and in the 2th docates Cholera hich had been prevailing for some days previous in the Hunch Camp and Sofietal made it's appearance in the General Stopetal at haina, and ofread with Ireal fatality during the remainder of the month. On The 22nd the desease broke out in the Light Division at Duna, the most distant Camp from Youna of any of the British force . In the Light division the descare spread with greater rapidity, and futality than even in the General Mapetal at Vaina, and it continued to devastate their ranks notwithstanding the removal of The Division to an eligible locality called monasterea, about five miles from Dund. Up to the end of July the Discass was confined shiefly to Vaina ma the Light Division; but from the close oppressive state of the weather, those is very lettle probability of the other Divisions remaining ling exempt from it. The 4 Regimen Statemed al Gallipoli, has suffered as much as any other Copo from the Disease.

In the General

State of health

of the Trocks;
and Causes of

omy herteuler

Disease which

may be preselet

Mediated Siet
m the several

Regiments,

The Course of the inercased mortalety this month over that of the month of fune has been the prevalence of I seater Cholera, and the 4 Foot, - 7 Fusilies, 23

Fluschies: IS Regiment, have loot nearly an equal number of men from the Disease - vry. 21: 21: 20:

and 21 - Telat in these Regiments & 3.

In the whole face 195 by Cholica,

[sement] from State

Inop Gut Alborts

The Causes of any exchandinary Tumber of which may have occurred in only Regiment

The Fruit lost of Galespole pointe outbrack globolera in July to The Fruit lost of Galespole pointe outbrack globolera in July to the 20 augt 2 guarals 46 other appears - and 608 men to 20 augt 2 guarals 46 other appears - Johan

Med Officered, Stantherns on the aspitant for Suhurus Juhrns Suhurus Juhrns Juhrns July - 1854

baran for 13 June 530 June while the light en come com of the store to some toucht of the factor of the store Remarker hurs lamp at Souter pre 29 april to 12 June from mallie par 15 to do Sune purpulla - provid full als Bryond tome cans hot riguin Hort little Luderels L woder 16 whis corps dury to & army from England at Sentari 42 ro Lightandon gr Some - dept for farme darrend there onthe 15 June - hame 1630 12 april to bringy 2 nd Davisor 30 Ref. - Embouled alfretter at the beginning growing arrived as Sentire 11 may: Left Senteric = fortarna 11 Sune on leaving Senteric 37 sick bore hans = ford the general Hospital Kine - The Sugment has been henetty some it amin't . The falat cure afour that ourned in the place in a tillerthe leight showing a Marked both the discover on the pipele and promoduland of did a meek after his arminal. A case of Brysepilas Marghy the Count link arm hit & american St. and arm fit & accessory Experion with the otheral Country proved falat -I from halle at Sentari 21 hay - hepper barna 17 Sime . Prince dyong no death with place in his left 95 Slight arrived at Sculari from Sorts month 24 aprilermand at tarna 18 Sun mich from ofalarhal afferhous were the most proseluct complants E coses admale post accorded of promis falat the new contracted the hand the the the stand with at a soulor has first attailed with at a marks gran water which I have a soulor has first did not morely feedings. · One case godelinum homens in a Confirmed Sunkard prosubjatel

2 - Duiswa agentons and latherly durible 41 Segment armed from halla at Sentere 13 april 1854 appearatione seen the most 47 20 Let 18" pine shout promabut lamplainty in 49 20 These Reg The humber thick shows to the state from a consider only one a core of four othe Mins a surface of the Mins and the mins of the Mins and the state of t 32d Division arrived at fallipoli from tralla 10 april - and lemained at fallipole at the Sud of Land. The eligt arrived at halla from hylled on the 4 This Showmake affections here common among the Jungmen deventy and Suntaly the Suntal Contradit among the suntal sunt I Royals - arrived at fillipoli from Symont 5 may - 2 commend as follopole the Emberket for harne -The Sugment has enjoyed good healt Some to are in Surkey, and only one case a case glous unplin has proud fulal 4 4 Reg = suderkidat multa on the h - varriord assilipoli there on the 28 " - Common Continued four Legnes those how did in the farmion host a case of appliany from Dunkings also promotelat Embarked at halle for Gallepole 7 april darrived there on the 16 - Left fallepole for Varna 23 June of wood Juis promby prouse to the June in the books as fullipole Theymous obsurbda apparts have been homesthave forthe most part mild, and only one casually a Tike afour amond . Stationed affallepole Harna . arrived from forter Sugland 38 " again deal grukness becomed in this Ref = a hours Calinto Bruil Counts Henral appears have been the most provalent Complaint offers cases offers proved falat Ref - Landed at fallipoli on the 12 april from England and the protoma 22 Some - The Ref has Enjaged 2 smorkoffy grand healt. The only Casualty which tak place was proto Phtiers in a man into trotant for binistral

armed at fathering 22 april 7 miluro The Super Enjoyed good healt and only one asually animal It is Estimate under the head included winder that of Sucumonia from he fort Inoslem appearances - he dutyet githat him Auch hardfordomedays + died 36 Kaurs afhrhis adouple 23 mules Sombacked produk 4 april arrived at Sculari 28 april - Lift Seuluri 2 gmay farmed of Jama 31 may. The Red has enjoyed granthealth - dury the quality drawing has accounted in the description of description of descriptions 33 Mgr - arrived at Senteri from Ingland of april Embarked at Scutin for Farma 29 may Freder how been Emarkathy healthy one casualty only having amorrid a company Arrived at o'culari 10 may from England sembarted for farma sommay farmand him on the 3d to smarted in 9 alegh this loops, hutstalatyne two cases grande a com on to Chalora some from fulat on he 17 Some - Their has the fort case of that fenful complaint that according this army arrived at Sentari promhealla onthe 17 april andlift for harna on the 29th thay -77 Rys-The Sigh has sugayed toterable healt Smie its has accurred - one comethy a case of Phillies This Ref arrived production on the 19 april of 88 = From Love been products. only one country a Case of four has account , but the left has had mon Lill han mostother left mille for Sallepor 31 hard around here 4 april 2 Bat R B This aux has supoyed but out of health of three Carnallers have ourseld one a core of their one gomenmon grand, proving asphysica of Odina of the Glother

1 P. Dragnows Dis semborked from England 24 Inne -I Stopmer - post arrived hotik 3 L'Dryvens Da De 17 Luneum - Arrived 22 may - . Frankla he most privalet Coufe 5. Digrorfwords - Instarring health Spallet Throp of home arbitry - Same caus y Branker 1060 Sappors - One caref Chabra Etwand but no temak othy Rem

FRR6/4 The Finch have admitted to case gladers into thospital 12 of which have died and 26 lumain mider trustrent - There are chiffy from amongst the how recently arrived Jun Zallepoli. only afew cases have accurred we the Component this, and Some men have hun taken ile ni Avspilal, who were laborning under Denrihan 19 July 1854 20 The hund have bot 14 more men by Chahan last night and love admitted 15 - leaving 27 under heatment - Leveral Cases Lane been admitted from the camps on the longround between the hile the lake very four from the camp on thete gre hete - Liveral men have been taken in the hard into which the Chohra patrenty were admited The bruich have lost 5 tares of thohra in the highs and hove 47 m Hospitat -Chohra has made The appearance money the from the floor boards, frang the horte, of

our own Hospitat - Theone that had do much filt under the Erkonfloor Whenschaund one man died in the nest. Private Worke 95th Ret who had have under heatment in the futal for to drugs Tymptoms alhabra Come on in the Twenty the deid at Ihu Almaha 49 det admits worke 3 with for - hours became Island the days ago. Learly thistory? Symptoms a Sharmortin chohren came on andheis in a State aportal whope how - ducket atapast / P. haa mon of the lifter of the home of mid. day him a thate 4 Complete blake, and dird about 10 at might Two Shigh cases were admitted into the thoopelat lent ofthe Son and did water The knoch have bost nine cases of holisa since Gester day and have 57 muster testment to day The case of Dysenting died last night would as the lose Apriles also, has been admitted this time? prom the Depot Camp hear thisplace - died at 4 19th. amon of the Lappins of the home of thomas - admitted about the Jame hour - Case held

aman ofthe Suppose brought in this my flamined from bush of the days with Durchele from from Jamp both Durchele from cases of forther of the 332th from the Same bush of the cases of forther of the 332th from the Same bush of the cases of forther of the Chaling to the of the order of the chaling the same bush of the cases of the chaling the street of the chaling the order of the order of the chaling the same the order of the chaling the order of the chaling of the chaling the order of the chaling of the chaling the chaling of Lent in with mild Cholisa taken the yesterday -Three men of the Harrisones attacked with Cholina in lamp last hight - one dangerous two dry with -The Fruit have admitted 39 - 24 from Camp 16 taken ile in brotutal, - 19 minhour deid - 82 Demain under tentment 24 french have bot about a Dozen bulker seen up michael to give priese suformation han former They have got hyphus how in their Horal (Iny Sirvant not good authority artainty I informer me he was told by bre of the punch tropital altendants that they had book 50 - Two man of the 38 taken the me Comp, both had cover, The true ensu of the Dagoons drie true from Camp - and four deid dring both -The report from Doon a is that Chobra broke out at nine of look amonte 22 - House that

period upto the date of Mexanders reported 16 Drates levery 33 month heatment many gwhich were ni a very dangerous The Knich home Leveral Cases of Typhus fever to Hoope 25-9. admiks d Since yesterdays sifort and four hour dud - 12 under head ment The fruit have about 100 under hot for Cholisa - principally from the Jurismudy camps and they hove lost 25 Since yesterday of the 50 th amon the 35 died in Camp yorkinday, & onethe day before a though the mon left helind yorkinday, to make day before a man grat 4 4 to taken like last night - beter to day - a sorg attaly this mas donnite -From & admipions + two death, Lince forther day two cases dering The French have lost 15 & have about too under heatment This has an direct from aprice about the midth of Some ofward fall This has a few fresh mont it 2 of pressed on the Aroff that Continued son some - They are getting Cares from the The Camps from

Dec 1884 FRR6/5 Summary of Monthly Preturns for NOV. 1854 The accompanying Monthly Redurns of Sick Shew a considerable sincrease of Sickness during the present as compared with that of the last month and which from the reports of the different Medical Officers of the Division is attributable partly to the great amount of Duty the men have had to perform and partly to the constant expresure to wet and cold their clothes having scarcely been dry Since the 14 th of the month, the want of sufficient sime and means of cooling, and lastly their flimby habitations the Tents neither affording

sufficient protection from wet or Cold This increase of Sectioness it will be perceived has been chiefly in Bowel complaint, Cholera, Wiarrhaa, and Dysentery, and some Cases of moist Gangrene of the Joes have occurred) the former having for the most part affected Regiments and brafts lately arrived in the Country. I think the Cholera in this instance more attributable to expresure to wet and Gold than to Sepidemic influences and corroborative of this I may state that the 42 nd and 79 Thighlanders both of which had passed through its ordeal in Bulgaria and on their way to the Crimea. and had become quite healthy again until the were directed to occupy an exposed ridge you feet above the level of the Lea when they were again attracted while those of the 93 Highlanders who were encamped at the foot of the hill and in Comparative thelter have hitherto escaped The Disease - It generally punt a rapid

First Wivision.

towers, parging being almost always present whilst the ference Symptoms bomising and Gamps, are less promisent Blapse quickly endues and industry many instances the totion is brigget to Hospital in this State, and Hise cases are to frequently salat.

The biarrhaa in many of the debilitated and southly coping then it southerly of the southwest character and Source has she with in staired the giments, the prate part of these saw are usually benefit by the use of kime juice? The appearance of source may I think be asserted more to the want of a proper admixture of legitables than to the want of fresh meat; Som aware that this diameter is much more extensive. Item appears on the face of the believing as perhaps fully 100; ten or an everage in each Originant at least as far as the first Brigate is concerned to bear under Diameter of Bysentery too heart been of a grant character than any of them having of late bread

Thane not been able to ascutain the exact amount of July betweened by Hullen lack Bellation and Regiment foodsarms this independs thirty in its struction and Cambo Though to land often varies exceedingly. While some subter, I hench and covering parties others are influenced through every parties others are influenced through a sure position in the

rear on output duly and the figure to but all admit that they are convoled that often when they are so socione with failing and sleep it is almost in food failing and sleep it is almost in for freeze that about three nights out of twen in head. The Institut yeards are half on duly during the day and one third at night ends he gy "Regiment have failing the seem and the gy "Regiment have they then on duly daily toucking the steemth have the so oughts out of there have you been seen they have been during the laster part they have but during the laster part they have been during the laster part they have have almost school they have lost or distant and soundly, and lastly their lost or distant their son cannot work to he could help hear lost or distant their son cannot work to the could help hear lost or distant their son cannot work they here lost or distant their son cannot be they here lost or distant their son cannot be they here lost or distant their son cannot when he could help here lost or distant their son cannot be they here lost or distant their son cannot be they here lost or distant their son cannot continue to the fact and

the beather became cold and hoisterness on the graphith promy laints the III on the III there have a temple to be in the interior temple to be in the more and all remained upported to its virulence for many hours this ended to be advented in the and more in the and more this ended to be advented in the and more; after this things thinks and there is a second

nen

the month, the Country became likeally 1872 1834 flooded the different Camps were more than antile deep and even the interior of the Tents which were not impervious to wet were covered with thick Mud The Ment clothes were startly ever dry and even their blankets and great coats in which they sleft were completely daturaled with wet - On several occasions the Temperature was below the Freezing point, and I may mention that they are as yet without their Winter clothing, although expected daily and many of them dre minus Shirts and Hockings. The Tents are in my opinion any thing but a sufficient protection against the present inclement weather, and will be much less so during the extreme told of the approaching months, and that unless the Men are both more warmly clothed, better housed and their strength less overand mortality, will I doubt not be queatly increased. Minton me D. I Seneral of Hospital. Deputy Surgeon

Camp of 1st Finision

1

Monthly reports, and in accounting for the Still further menewer of lectures therein manifelet as compared with the prevailing deseases in each hair bern bould compliants, Phidenie Drawbarn & Bylenting Common Continued Ferre merging in Some cases with peace of Gelato and also being the delice, or some cases of spannedic Cholera and batterly several cases of Gelato and also and latterly several cases of Gelato and also and did in the liet.

generally, it is necessary the two the hospitals the worth, to take into considerations the west and borsterous weather, the in
ability on the part of the men to the fee the theory the transferical protections of forded by the tents, the want of they do the so their at higher; their blankels for they have mother the many fewerally weter the money to the town to be body taken the money to the said grades to the state of provisions in the counts, he muser ten supply of provisions in the counts, he transfer aborded by the Commissarial being ben limited - the want

of time too, we dig woots and cook, theye them Alew, I am toldy to But their port in a naw state while all this time green Unrousted Coffee Continues to be usual, a ration under present commelances letters weelest - ground coffer in ling and ale hier, and much heguned, nor should they I without a good supply of hegetables Which Would do More than any Medeins to donest the Threatenings of Leavy, now too evident toroughout the army. We have heard much of huls being Sent out from England for the comfort of the doldier, out no yet have not seen one, and when they arrive I Balablave The States of the wonds & transport is Luch, that seamed hunging how the and he be brought up, with hegard he trans clothing, cam glad to day, it hus bern distributed to come Regunule, + the others will be supplied in thes course I may mention the great defreally has hart, their being he available transport of Jetting Her Sich Sent to Balahlara and for which his are entirely indibled to the Mindness of the French for lending tes Markly, Their unde Umberlaner Cacolelas which I've their work most admirally whether in deep much or Lnow - our own . Ambulaner having himsel out almost a Total failure, at least in the present state

i the heads, and only during burners When the roads are good, and with large horses could therener by of him he certainly did good Service at the battle of Sulleman - but with such lums out Brukulance Corks Marin of them without Dry Knowledge of horses, how could am - thing prosper with them. the houde delected are much too denale + hut adupted for draft; for this Ruspier the animal Should possess weight of the a better moder for our army than that of the French - they are Suited to Carry Lick in any weather or State of the roads, when wherled Carrieges Cannot travel, - they are excellent for Ricking up the bounded he different reld of Gattle 4 Commanded, of from 3 to 10 glass cernel Of good Character, and who had been cooks might is entirled at home of aren herent as low as 5 bestto kisses - from the farm convan or Jaich Calomara, & these with a sufficient

musher of good mules well looked - and be which may be added Shan the honor to les Som had Others Helisten mo D. S. Charal

Camp be fore Sebastopal Delember 7th /54 In accordance with Sastructions received be have drawn up the following report on the four subjects referred to us. The steeting cause of brieve in own Opinion has been the Excessive duties that the Then have had to we dongo compled with the late we propilious state of the weather both as regards wet and lold logo there with the we sufficiency of clothing in most cases a total want of dry things being available to them. on their return wet from duty -The duties the here have had to under go have been both numerous severe and trying bis daily 2 buttine Piequets consisting Each of 2 Serjeants and 50 Raceho File for 24 hours half of which worker at Breast worker or Trucker for 8 out of the 24 hours. Every day the Rear quand is composed of I descent v 10 Ranhe. Tile. Every second hight a working party (2 Sergeants 40 Rank . File) is occupied at the Right Siege Frain generally for about 12 hours. Every third day 5 Tergeauts 53 Rank . File are for quand - Besides the above duties the here consisting of 2 Seyeauto and to Bank I file were occupied about once a week in the Tremshir at prist for 24 hours

a flerwards changed to 12 - On Enginery but find the her on on an average scarcely pape three higher out of the seven in Bud bleationally 2 higher louse enhirely on duty -

here flew they have not time to cooke their Rations rach have having to looke his own to his own to his own to forthe the property but not to frewilly faried we strongly recommend a hore regular before of Read would be highly here ficial - The Coffee hove further their hard the additione of bried Read would be highly here ficial - State we think it very desirable if it would be a brown of it would be being the a raw state we think it very desirable if it would be above the readown above heretical for the readown above heretical that the here often have

his reported when the Jents are sufficient protection to the hum opinist the Inclimency of a Dinter leason it is our from Spinion danger rows and detirmental to the health of the human for a hunt longer period knowing from Experience that with longer the high which and rain prevalent in this lountry the latter constantly paper through and later proper through and later proper through and when I have been the wife the latter constantly paper through

impossible to keep the Tents standing on account of the accumulation on them.

Notice the great increase of parishe to potite the great increase of parishe have had be come continuously but and lotal the present proportion of the here buffing home a reloxed state of the Bowels. The present lowstant heavy dears at high came a very considerable poisture on the Blankets and Clothing of the men in the Blankets and Clothing of the men in the Spection to Sents being and much longer

De have the honor to be Soin

Gover Obedients Servants

Of Biesto Alingun

Gebist Surgeon

Grundlin Grands

Secting cander plants with ofinion of her francher parts with ofinion of her Insylves things on Lawrence

Camp 2ml Division -

Monthly Summary for December The 2nd Division during the month has continued to occupy it old encame hony ground on the height of the Inkers mann - The Weather has been ex 2 Tremely severe at first heavy and Continued falls of rain, latterly, cold, high biting winds - with hard dry frost The Sick list shows in the majority of cases an increase over Mose of last Inouth - The prevacting Fisceses law been Fevers, Catarrhy & Dearrhow - The hos former considerably on the increase. Ouring the early part of the months a humber of cholera Cases were reported but my openion is that the mayority were simply cases of Dearshow afring the Cholerow type from exposure and fatigue - Some few cases of Frost bite

have occurred, and him is a tendency to scurvy observable amongst the new Lime juice has been liberally supplied to The Hospital, as also a certain quantity of preseroes Potatoes, a ration of Sime juice to every Soldier as contemplated, with be of infinite value, as I am convinced the minutes Cases of Dearshau & Dysentery arise from hi a great onlasure the want of Vegetable and the continued use of Salt meat. aggra. stated of course by then present fatigains duties, and extreme exposure to the Weather. Duties The destress of the men continue as last month Show Monght proper to advise The outport Duty men to be releved every 12 homes (instead of as at present wory 24 considering they wile thus suffer left from exposure to cold. This suggestion is about to be put in force -During the month 573 men have been sent to the general Haspital at Balckdava, or on board ship principally by one and of the French ambulance Josh Rations The Rations have been well

supplied and are good in quality

teach meat however, has been very sets on ipued and Rice Segret to say has alloyether during the month been with held, I believe from want of Commeliariet Transport, Iwould suggest an your of Floor, Just, Raisms to de Me Vame as is supplied to Troops on load thip and fee confident that the most decided benefit to health would be the result. The Regenerate are now provided with looking Kettle, and men are told off to cook for such as are on duty de. Forewood is very difficult to get, and Chescoal Jeon want of The means of transport Cannot be brought up from Balaklava, -The men I eight to say have as get no better protection than the miserably enadequate Bell Tout. an improvement has certainly but to a lamentably hartial extent takenplace suice last month with respect to the clothing of The onen, It is painful to see men already worn out by hard work - going shevering about with such imperfect means of protection, some with brote, and with a severe wanter already set is I fear that fargrene of the Jest will deprive The army of the Services before another month of a great number of very baluable Isldiers. and Jonly hope that a searching enquiry may if not at present at some future day be instituted -Muchak Stuff Sugar ruglish In The chay 2 Division

2 Division Remarks of Lik Uturns for Dev? 1854 Slift Surgrow Marshak

During the past month the 2 nd Division has remained encamped on the heights of Inkermann - The Weather during this heriod has been very wet, cold, & stormy Bysentery + Dearrhow have been the prevailing Complaints and this can easily be accounted for, from the severe fatiguing duties, imposed on the men, their exposure night and day to wet and cold, theer miserably imperfect clothing, eating half cooked rations, and having on an average only two nights during the week in bed, to there may be added then living in Bell Sents, which do not afford proper shelter at this Seasow of the year. The duties of the men have been quards Piquel duty - covering and Working herher and Latigue duties - The Covering parties Juards & Paquet remain an duty for 24 hours The working hartier for 8, and the fatigue duties in camp are constant and laborious |Rations | The Ration has consisted of 16 Bis: = cuit, by Salt Port or Beef or a vation of fresh meat whenever it could be procured Jugar 13% Coffee 103 (2000 1 Rice 2003 and 203 of Rum horce a day with an extra 2 of when on Proquetor Working duty, These Rations have been spired daily and are excellent in quality The quantity of Sugar efued, might with

great advantage be increased. The spice of Coffee in the raw State is much to be regretted considering the short time the men have for roasting it, and the very imperfect Inland (generally between two stones or beating it with a tent mallet) of crushing it, an ipue of Tea or Cocoa in place of Coffee under these Circumstances would be infinitly better. Vegetables have been if wed during the month to a small extent and with great benefit The means of cooking are totally madequate The mens kellles are either lost or worm out. the small canteen of each endividual has to be used for every thing - Fire wood is obtained with great labour, and the same is the case with water, and then is no sheller for the men Cooking, These three last forcing the Ration to be eaten helf cooked and sometimes during very heavy rain row as the men could not keep in their fires -

The clothing of the men is in a most miserable condition, he men having lauded without knops achie, it was nearly the end without knops achie, it was nearly the end of the month before they reached the Division of the month before they reached the Division consequents, the men had no other clothing consequents, the men had no other clothing but what they lauded in, many almost but what they lauded in, many almost without boots or Stackings, the Trowsers town the great coat often rearly useless and in wheely. But with the knops ack the present clothing of the Joldier is miserably his reficient for the Joldier is miserably his inficient for duty in the Field and expecially the present

Kind of duty, an oiled cloth cape similar. to those worn by the London Police would be a very useful article of drep. From laving no change of drep, the men have to allow then wet clothes to dry on theres to dies and from the late wicepant-rain, men have been wet-through and through for days together -From these continued hardships Speel bound to say that a large proportion of the men are To warm down, as to be incapable of any very long or continuous exertion, this is a melanchof but at the same time unquer tronable fack and my form belief is that unless some afteration is made, it will take but a short time to reduce the Division to a mere skelety by Death and disease - Two changes of very warm Winter clothing, proper houses or hut and forewood or fuel are most urgently required and if popible some mitigation in thew present-duties Marshall in medical charge of 2 nd Sions in

200 Division - November 1854 no 1 Typed. Remarks to accompany the monthly Returns for november, from the 2 Division

FRR6/10 lemarks and observations to accompany Hw monthly returns of Sich of 4 Division. (Durny Her month of Decembers prequent heavy rains occurred, bared with accusional Elect and snow, and accompanie with cold & boistrans winds - In the last week the weather was intensely Cold, every through the tents being pagen. Expount tother incliment weather on only in the trenches, and living in homeand and damaged tents, with insufficient Clathing, and bants empit for the chimate, and Severe Julique duties have produced agreat increase of sicking in the 4th Dursen. on any of huise our numerical strength aught to perform, and it reces so frequently that the men are worm out from want ofrest. Defenney in the means of househost by the Commy Saret Ocharhueut, has entirled outte hoops the fatiguing duty of conveying possible adducates a great proportion of their provisions, and form Balaklawa, Jul, Clething, materials for Constructing Heapl hists in Jack every thing they Between the duty in the heaches and these caborious jatigues, the brooks are broken down and exhausted; no constitution being able to bearuf against lop of rest wouch heavy work, frany hught of home, whereally in such weather

as we have had here . -

That the seeking amongst the troops is account by the abovementioned Courses is proved by the Comparatuely healthy state of the Covalry Soldies Those attached to the field Buttimes of artilling who are exempted from duty in the hunches and have the use of horses to trung up what they lequin an 20th Der and on my recommending it were notemplayed in the truckes for eight or tendens to which may be all intented the composative preder from Cholean that loops - Every against au fin! pour Cholean that torps - Eve arining hur is attacked with Dianhaa which prequently ams into Cholisa in persons produpone hit. -Should to and 63 eight have head most cumations, each comps having had 66 death during the month, showing sout the queter part of this men to fewer Hospile attention - In any Corps secking overeases Jorapidly that despute the Umanal of atleast 150 menerous week, the humber in Haspilal does not decrease. The spirit of the men is broken, all aneager toget away from the and making the most of their ailments and endenning to ex out the Commission of those who wish them. They have hacomenthin so delibstated and Carolip Vapathetic that many 2 wither than lette the handle of using the closestral or bed from homedeposited Their exerments on the place of the tent or cumintions Clothes, the Consequence of which is an marmans ashuchin of the warm Clothing lately suct aut, of Cleaning there , there being no water as means of Cleaning there .

Softends wany of the sick are in my opinion affects with the first Symptoms of Scerry as twined by adulity, and praise with timbs, assissed to mave, and other anomalous Symptoms, but some of the regemental Lugary hat having had any experience on the disease fail to diagnose it, and Edwardtown the Cases modern the hard Rememation or some of them as any of principal and that with an exception the right to Emark that with some of such that the Camp best though the thorn above who are with the Hoop tat tends. I have who export themselves with in the morning suchosed to attend at the hospet next day not being included in their returns—

Our allies have afforded as most an array assessed which are removed by automation and have and array and assessed which are removed by anomal and array houses, the amount of mortality in the field. Hospetal mould have been very much greater— Our ambulance the much form way much greater— Our ambulance

being either dead or meapable of work and the

hum limbet forthellerly from their age and previous habit, many of them being armthew

Juney 21.3 1855

horthlip Characters ~

Me Hempey gel of Hosps

Remarks and Observations to accompany monthly Sections of Sick of All Division for Deckmber 1851

Observations to accompany Quarterly Sick leturns 4 Die. During the month of actuber the Quentter was generally fine though Cold at night Early in Nove the rains communed and an 14 that minorable storm which could to much damage in the camp - The remaining portion of the mor and the first three weeks in Deer were colds with occasional falls of snow a sleet and Severe frost in The last week. The Hospital marques were all blown down in the & torm and most of them so much damaged as to be imper for use _ The greater purt of the seek were thus needsarily accommodated in Circular tents, which are very empt for the purpose being too Imall, and having the Skirting of insuffice defith. They all permet heavy law to puntate which feltering through the tent just above the The French and Turkish tent trave a desperation I are more Boomy than ours, & from being nearly two feet lowers, arless bable to be blown down by Storm. The Comfort and health of the mer often depends anther line ting properly fetato abrunch about I mehrs dech should degeven round the tent, the skirting shouldbe let down not it, and fartined by pegs touts unes augle , The Earth should never be heaped up against it; as trats the tent, and in lany weather the in percolutes through the earth, & flows over the ter Converting it floor outs a pool of water or muid, against which the Tarpacilius Whater proof Tent bottoms are of no avail, as they tete on their Surface moisture that might attorney be absorbed by the Earth Many of the arcularting are so much January that they appord any little

The addition of alood to the great wat is buy motertion against Cold, particularly those of 63 gr and they cannot be seplaced as there are Homem Stone desirable + should be adapted at once . So. The humber Supplied that works to Divis as feller of thon lately arrived have 17 tagt of Circulartuits 34. 1 marque Mortigues 3 that it may be con 20. 5 do + 2 portuguese but 63 / 20 120 10 com is n sicient. the great coat shoul house 215 5 do & 2 Marques 68. . 5 de ammention boots are well flux atthe Jeaso 46 & do & 1 marque Paflify 1 mague 5 do Retity. ___ 3. men should have long boots, capable of admitte two pair of worlden sooks, which should go over the Muking atotal of 6 marques 4 Portuguese Truses the perfectly waterproof. The want of such but and 51 Circulartents. my cases of partbute and Provisions were ungularly & country supplied for a short time but are now abundant. They Water is scarce, not lobe pround mour Thankout a mile & generally mendaly. The want of it and of lufuls to contain it, causes much fulth in the clothing & persons of the men (morte) whom are inferted with bermine) and is afregue as the cause have generally been of very good quality particularly the bis cuit Copper & sum. Coffee should be ifend to arted and grown; pomens of means to prepare it. The men have often bee of set soating the salt meet free Tul is now quite ex hourted in the vicinity of Mrs The supply of blunkets & Smithes stretchers was Cump .. Chareval is supplied to those who go, new to Baluklava forit - The men been unable to cook their meet for wont of to the Sick. 20 stutchers have been your to each fuel - at hat thatis afrigued as the ca Regt in the Devision - Each Marque can and alone tent 5 of Them - a great any accumulation of salt meet in their tents . - The ment might be mad in these by having a to sufferings the army has endured from cold can Scarely be consided. The cold is grition severe as iron Ding at the where port of each in sin some parts of upper Canada thurmometer to ming term absence by Surf Metimen as law as 16 deging of Reamours) buton freezery & generally stunding at from 5 to 7 degrees below that fromt.

Clothing is becoming thin two mounts, particular which The pole thought be meerted; it a hould present the chapmy of the pole where prejuntly happens now. - Home the preside of Down complaints the matinger of these great Hats trowses abouts; when all are supplied with flannel drawns + prays the covering for their = tron of the blan buts littly ifewed. This is hartly used by extreme debility, but as after by apathy are Legense the Same protection surt of the men. The

distruged in this way is beyond calculation Muny of the men here in around stuges of trucke exhibit an appearance of faturely gente putable to withing, and scarcely Know whatthey do a say Chalera, Dearshaa and Dysentry howe he the most prevalent of atal Deceases. Every left are frest linding here is attacked with Cholism to agreater or less extent, & the other two Lave Rhumatee Complaints have been very Insumulant Isome terminate Jutally by the Supervention of pericas ditio Pulmonic enflammation has been less pregnent a seven (except in the 63° ext) then sught have been expected. In the 63. on case of ourease of a seven nature progressed face in the onen and to their tests being in away had Condition scarcely affording protection from the bent Survey is appearing, somest eman present Cucumstances increase, all its courses henry in full operation here. The few of rice, of push negetables & lime juice, has been already The majority of the Cases of wounds were received at the battle of Inkerman and all that could bear Emound were sent to general Hospital I CHempy Deto hopful af Krops

Sw. 6 Int. 1863 Imof light, Shas Afril. 5 Juny 1858 Simming of the Diseases in the Light Division during the month of Deumher. 1854. Angt. Then lime been heathet doing the simth offis. Men 222"5093. In the Horfe Mt. Lift Divin, 2059. Man 1663. men how cours. - 989. hem hem his chengst - 258 home dest. and 409 amain under heatment. 403 hand here went from this to Bala : Blance chieff of the French Amtalone The atom dais ont inhabe when the Artilley 12 minuel. The formished duraces are the hamo as the purious month, I believe Dysenty. Drinhas, Juns. Ld - Ofthe forms 286 home heart t. of the 168 lane det - The ton Right. At lend latity knind, and friend the Sinim, my the 34 291 Hef him toffend minh from Lholing, with the 4 eighten of the 23) Friedend. - the former bot 31 the 98 My 9, 25. und the 23 Fullers. 29.

The duties how her the lume as duing the purious hout, but have in A Touches und prequits one somestal lighter from the addition of the ton lay in Int the men speach Right day a con. - whathe postion of the month. had hy to Balakland, and carry up. Intime, and were there they had both alrays full Patris fithe pork. n Rum - dhing the whole month Rein has not her spend as a Ration. The men and somewhat better Ather hat othe bot yet sufficiently, wend defficiently of hings the hume from Balaklund is much fett .-The men me till in tents und he hist me wither in tents a hangund buts how aninch in Balabelura but who have as yet weather this place and unto huts and at one cottothick for the sist, is with as the mon, Sean for prent with list, and mostally. great as they me, with thill mused

Juing the most be have had a good deal of Dein as well as home more against which the tents and and inflicit Intertion the Land Lum presty in want daing the month frang of the most important fromfor the like. I went cure of Jung, as also Jungum hand occumed among the Yerfs. - the former athetate to the hindships underyone, as with a the hunt of negetables and the prepund ipur of latt lations. - the latter to the all and but in the hunder. is with as in the tents. Le And de. - White onestations. I Aby moon JHJ/h/m//1/6

Summer of Stiency. 1854,

I himmy ofthe Diseases to the Tight Simin day the Month of In that heatest with Rospe at Jamp dung the month hand hear 2433. of them, 1860 how hers land - 3/7 hand died and 1164 has been disherful. The Imminher ding otill under truthet. A good may dropts ha friend soul Mi tegto king the above puril. By and chiefly young land, not at all abother to the times and hambing dutais. At one now against Men. - The thingthe of the Dentine is grien, as 5 778 min. and 204 ffris. The principal decises hom have Methons of he found fint fites but beaut. Afthe former 1158 home hun tratate, ofthese 162 law diel many of them her combaint with a ventutie dintheir. - of port hits 24 pose to AL, 359. Les her health, 28 heighert, may ofther the tresant bout portered of the feet two me Moneyly. Whit whole

Athatatoth to I dititate constitutions and 4 from to cold and wet in the trucker, si and lang to tight tothe - the latter might to Land been unt out of much Importize from Englant, that to Land without the men to hear from this pain of thekings. - The found me for filiand amittent type thiffy . - the patients guntly somiting emilenth quenthis flining matter. - Sweet cases of Jang have also Sharen Themselves. Int is Lamo fine is now relat to he spand daily to the men, and present Intetres him des him spend . I am in Sopred let the land with he checked. mon furticularly, is now the men and not to found emplet, how also 102 their warm chilling to, and push much Worcewinely spend to the Yarfs. Had ford by patofrol fits him frie to the trees why hite the trams k & Dont . At may his broubl Law fem land. Lile Ants han fempt up a fortion all Regt un son enflict like them

Some the 34. 290 they to, and having an angal Artithy Auchol to the Divino. the this former are buy getting them up. Levert huts Low bles been got who I some Refs for the men, and a food laffly Minkets. Inffals wheel, water. · duke interproof beterrors to with Inditions of Smith, I fluther dry with triple best to for the with line alm line Honor their hangend with deals. Which under their more comfortitle. and is thus me how flent in them the with mo comparational specking much father of theme formuly - digo supply of Product compute has also been got hat Jugat to the mil by - purily who justs men ont life Matint, from big in other. The healter from the Commencement of the most por wet, off, omney, and my changenfle - the themselve on the 18 hory at 5. 1/2. rotaile my harpens, Wird at 11. - Since the 19" with, the health her fee miller, and lating my fins elem porty maken, sun shenig trig For day. Which Which the men consid willy. to mething fournisty

disappeared for the thems the pirt will days, which with the hen to Their Erits and husboard for ful, As the Fund for taken mon me little attent, the men an tot to nomental as formely, and as that on his state or enfisty by Commenting This 4 the printy land the hark pours. and as pich ration an often spends and the men low some wanty dad late the 4 after fto forte Jam in who we men with timped in half and me with list impulty form

Ally 3º 1858 ch. In lowarding the huntity telums With of the Sum alusion I Leave discome him hem hower, Boul Complaint, Catortes V Scorbutes, and In fact all the ailment were him a. We amplication by a terbutic dinthesis, the reauth of went of Sufficient Fresh Trust of hystatitis, and were Chartener & fresh asy action theatenest a demanding in parties the for assimistration of throutents and and ministing dich, -The Sich list have much asypunted by the of house of the men, during The Live Just a Sun, with in haf v in Compan do their Commen tent bene Just ind officer to Just of them the Regiment were desind refferently Clark but how dence who me a that respect Come men chief from the Effect of Influe from gelater, of a lead hatun The Heath of the Sivision was better than might have been expected under the Circumstano I have the house to be De Kall no pertin general of the peters Enn much other Sent Heads Lenter

FRR6/14

Comp 2 Susin

2° Swisin Sich a Ramber for January 1855

weelly Seport Phricipal Rude Cal ficer of the New stine from 17 Breed Lelegt 24th Lely 1855. The Planting of the Sich in their accident hi huts; in place of Marques, hustien In for completing that Some required have two hus addited, Suffline gener Deffalo Miles and Mouthots for bedding with the Some butteries, waterfront beal Conselet. The hik and Toonaded willle Such better Situated for heatenat in the to huls them tent & brugues. There ene Leavence Metiter, with histles much in the tente and or Ourgues, generally lecondendent for wanded men or for tracted tales. Ann reflecementing of tech Med clal that, with the exception acticles, every Tertimed has been deffluit with hefficient Hore (Micaria & Comfort) have been brough of Matheir, have been received, and that the Muleufracial Stres (Book futh heals offer Theolee Bating of the Segunde) procleen Staff Luga

I he Africa's

Totally Seport

The State of

The Sivision

Luding 24" Lety 1855.

Welly Report of Mineiful Mulital Office of 4" Division from 25" Lety to 3. Mauch 1865. the establishment of huts is enclosing king the last weekly report - Some legunents heroing exected there fourful amaterseen & eso to hapfly of down the utentils wife affecteres, by quater facility of trumplant his the Means of transfert, I believe light the effect of adding to the resauces the Equinathet Longers for truting Mesente I have continued to april, beff worten Required the hugens, by Lending Here Maning therein what I thought outie when to apply for for their hospitale, well What recent to execute for the Main tenance of health in Count generally : hat Misaff suitment in Mansfeat and Sufflies have Sometimes attended their lequi-Litimes and branghton them additronal labour and Thought. Ale absence of frustamental orgunization of the trunsport equipage in proportion of see Occaus in proportion to their lines More her Louises of yeural haung and preventil entracted to reserver heing tunnel to the hest dedvantage

both for the whe of the Sich and well. However, Matters are daily mightoning Better took houses are but and being built for the hatfital, and looking that been sufficient effective. Micheling Mine been in general Sufficient . Succe the establishment of a Divisunal Voreguel the Lugioul affliances are Meht who see certain Standard: the histument, are tikewite in food order in lary regiment He cart of lythout Leave, Secury and Loo butic by sentery is to law that I srandy or Wice Secus to have little effect. Shave advised the twow differtite theiralanty Parter to be grain when afflicable. Here affecting an unelicition to thete the fire in feares I have decidetil grane to be brought to the bevisting fire but carred process it at Dala Blacce Muce is a good heffly of bisulfleator buckouse, but not if witer wattent hence was to toplean. The Mudiculat wine (with percient, at threed to the havy wanted be Whefil and resence two perfored thank of theineland and truce. Francis Moling 1. Lug: 1: Classicition The soile of the Inspirals of the 3rd chairs in was considered.

The surst shighly an the whole camp, and during I home's administration of the sursting the predical concerns of the Dourser, it has summer to the partie of the parties of the property of the sursting and signed and signed of the state of the sursting o

Stale Band gthoups

Willy Report Note on the position of the Ampital Hute, in april to Domines observations

[21855] march gr, FRR6/18 Modaver richis march quality Returns 142 cases of C. C from of which 16 Deid - but not a case of Interne Ment - Inhis remarks he disorders the Tower "fa brotype. the Levir, & Cerebruin being both greatly affulid D'Scott Lungon 1 14Ret. Frum ga bowlyte Insecudio for leavende bowel affections, Ke Joys " Thouse notheren able to proceed any desufuid exputs from the administration of Lumine in the Sarly Stages of the Boar" alto after the trague has becomes mouth it is most useful. In Deliste Surgion to The - Lays in Speaks There has apparently brown less botomic of Innine in these hours how me stone met with in warm climates Mounes 14 16 Lays - The opinion published That himen in the Crime a were of aremothers Character and lequired the Enrly Hiberal Exhibition of Luinerie has not been Some aut by observation of the cases Immer heat myen" June The Same intolerance of Luine In Dedule noticed with in the hour Cuses - this offerstoon wile is lash -

Impalolotus - 940 ipud 6 Hm/s 19 hands 4625 7585 25 Ochotur- Simie Juice landed for he korp S-Inte of application to contract for fuch Brown

Johnt FRR6/19 p.2. Ashlles adnit. Sud Shough From 6 to 12 May -3768 33849 1328 - 68-3768 33849 166 26 - 00 4057 -34546 3 Inne 1406 88. - 35398 3868 115.10 20 2375 - 222 - 34438 4990 286 . 28 16 2364 203 - 37773 4362 20 5-129 268 - 39314 4107. 4739 322-19 may Chohra 14 29835 3 Inne 23 00 30 20 7200 224

From 6 - to 12 may 18554 -Dud Shoogh 1 - 2916 - 109 - 9 19 80 144- " - 2916 1 pl: Chohra 26 00 146 - 4 - 3576 168-5-3600 3 hour -5 purplohn 15 deaths from hohra 9 Smir -248 - 16 - 2655 -219-18-3726-16 do 14 00 23 20 14 80 218 - 14 3981 15-50 30 00 373 - 15-4204 6 20 7 Into 354 - 9 - 4125 13-20 14 80 2363 - 17 - 4439 -83 3743) 236300 (62,50 admifrons Shugh 64.86 p Tank 37/3/9900 (2-66 Seats 80 - 2-71 80 24278 29/144 99 8300

St The 10th huss are arrived from halin in the arrive in three diminion orif- on the 15th 17th and 25th april 1855, and choling bake out in the ligitish in Such -FRR6/19 Rate of Sulush in the Canaling & Whitery The 12 "Lineurs arrived from India 527 Shong on the 8th d 12th May 1855, and Choling made its appearance in the Regiment in South from may to July 1855 341 6th Dagoon June 341- Shong - 130 of whome from

FRR6/19 8 (2pp) 6 512 may - Chaliratorte aut in Camp 71° Boths 448 won the how to Durgiand 10 Kufers Suffing printy watery contracted in Egypt - Don 3.92. 2 0. 20 he casually in Canalry Dries son this but whole disis on handly as it would be on home doren - Camps houseas mi? 19-80 4.53 - 2 0.47 1. & Dragony home only two shight cases gales mader but such and only four deaths in whole Inum 25 four-15 thor offer Choloro in a more of the 10 hafter 4.20 -2 0.27 Ime 3 Inie falet cases gehobra ni Conaly Driesalles week -3.97-20.25 had just arrived from Ingland Iwas such for on funging had just arrived from Ingland Iwas such for hims he had not been to the horas he Cholina broke aut in the Imale arm Myade sucut anud 6.89 - 2.0.64 prin England, and Encomped on ground hat was objectively anish the bulaklove denes to H Baltones which had been brought down provide from and summed on the Sandeground had here attacked 65 out 1933 Like micha Physich, I wine then had did - Comp moved downe day -315 het in this fromers auched by 79 - that bot for 25 may date gland to 5 mine - 14 ment flator - Munton the Corps dent the 63 Hut -Karvinon maar Anlaklana Dory Lichly -I Ballons of arhiller only 11 days in Grown of Incomped on favorable ground between Hades o morrows allado with Cholen . Set had heed of quone labory much the 6.25 - 20.50 4 15. artillery has Suffered most from Cholera This heek the derion attacked the rewlyaring hatters 10.52 20.68 . 23 Cholina appeared in hos Ignation 910 Hupars. Encounted at somewalls on the Bridge tolles Sout offul Solerant odort haglan aported his wal 7.89.20.72 7 30 6.60 2 0.40 Chabra on the during July 7 6.20 20,30 14 admiferens holdingth on Conchry - 62 56 DENTTY -2.66 71.44 39-50 3-70 311 / 22 400 (72. 1378 74100 53.77

Remarks on D- Ending Bodept 1855 Head & Scort FRR6/20 about the mittle a Inty- Bound Complainty began toproved amongst the to gothe Bolivet whole it hetherto been temperaturly healthy - and tomand it close that an an spedimen form mode it appearance - & decided cases of the deservate before the decided cases of the deservate from the fall tender the Calometopian and stamment plan of health the only case that second temperature and temperature to the control on it -I produite days the calonel and openine plan had a full of careful had undidnes dis own waltful disprintuolines from the Commences. ambulance Corps The ambulance crops which landed at lama was almost unnedeably to attacked with thought and from the habits you men promotively districted = 254 -20 -18t Division Trenader grows The funder from marched from Varna to Madyn 12: Inly 1853 when it returned & Varne, and menuph of the galate bright while the 29th When it I mobiled in the Jeneron The anner from Come and dissombacked at ald fort on the 17 Jepts - no purther lemand, are made by the Britail offers in charge but Try though from - Brown Complaints and Colors appear to have been the privacling 33/04/1098 48 3/2 Browl Complaints and Cloter appear to have been the privacting dissass - 248 cases of fewer appears to have been admitted goldent. 12 proved falat - 19 office cases adminst the form of typhis, of these of leid - 502 cases of Granthela were admitted of which only 1 Died - but out of 43 admits owns from Cholera 35 Died - 94 cases of Cautistion; but no deaths are first down - The warmed own of course to the alma-andate the warmed of were strict or ordered this withingt to hours - but it is arrows as casualled accounted some in that thost time amongst do many warmeded. Colotham June ho observations by the Ardical Officer in Charge - but like the Juna, diess. From Bound complaints and Arbera. appearlohous deen the most privalent distracts of From 288 coses of Tryphus are returned as having been admitted gwhich 29 promot falal - 192 come of months were admitted gwhich 2 drid; and y 38 cases of holisa 27 Drid - 27 cases of from the wormds are returned but hode to prouther cause 22 643 60 59 159 ho observations by the Medical Oferen - but the Returnsports out 612 983 85 182 that Armen Bound anytout & cholina were the prinalul Complaint - of From. 180 were admitted you hinh 5 died: of Danhauf 5 were admit ofwhich none deed ; but g 124 Cases of Cholina admitted 57 Deed - t \$170 Cases of fundhot having lewash at alina 24 die botten the 42 Anjlanders ho observations by the Mrt offers; but like the mark the Jame dis sages provide but within the Same satist, nor to hit the same fatatity - of 142 Corest from a doubted 4 provide fatat : of 140 Cores of dientitle work died: of 34 Cores of from hot bounds 2 died 944 474 26 121 79 Agalonh ho observations by the Inspor : of 207 cases of your admited 2 deid: g 200 cases q Chelia demides none dud: g 49 cases q Chelian 16 died; and of Teases q fundot bounds home. Deid 20589 20 209 Of 187 Cases of twon - 5 deed: of 234 Cases of Dranket toli some deed: of 46 Cases of Chours 32 deed; and goo Cases of from that wound to Deed - Drawns puts down the lof in the sleft promfunction brounds of the Causes at 114 during the quarks 93 Righand 352 587 42 91 In humoro Shates that during the month of Laly 217 lass 5495 147 30 174 of disrose were admitted gwhich 3 died; In august 410 were admited gestich 24 deid - and in Liptimer 211 ywhich 18 deid - The Zest of his Expres tomprens a detailed Export of 50 pours killed on the yes at alma I 40 men wounded in the Same achox

Short Siens Canaly Divisera The Regiment Inferred chapter from hour Cholin & Drawhow 4 Drang three men deid afour out out ghe care, heated - 19 died goldolina 27/ 33/ 23 16 out & 25 cases - and 9179 cases of Dennhau home deed This Regi duffered deneraly from fever & Cholina and Denripola of the fait 117. Cases were known of gooden't spromotified - of 58 cases of Prolina 34 day and of 70 Cases of Deurspila - 1 Died - This Regi gons succeeded close to the lake at Drown on most of probably ground. I more of tholina trake and, another surgeon Dest - In the handward of the cases of tholina that accounted - Mostifie on whom the med thangs of the stage Drouburd - days - that calound opened themether book and the surgeon of the surgeon of the benefit of the surgeon of the surgeon of the surgeon of the benefit of the surgeon of t 5 Dans 25329641 21 12 Dangor Deagoons This day! duffined chiefly from hours of aperiode to be - Chelina of Dearthda - but ay complained with the how presidency the proposed better health - On the Complained with the how presidency the proposed better health - On the 190 153 10 10 19 they are to some or the street of the form to the proposed from the street on the 3 the street of the street of the donard the good put provided to the 18 the Comp was tempted from the subject of the donard to the good may be some a tempted from the subject of the donard to the subject of t 200 Degami 16 28 134 3 21 This Ref- was comparabuty herethy of cases of dearthan accurred of which rome died . 43 cases of hours, ale gwhich proved falat The Reft suffered demonly from Arlera far make a but the troublety was small in Comparison to the turnby healed - ale the death, went our 4 Dengar habra and 12 dies and of 11 attacked - as many as 272 cores of Dear hala were admitted - are goodied were healed with ducests -19 219 296 12 5 Thir - Branchese and Chalin were the private diseases so this as in other left gove combry brighte - of diseases grandent four put our admitted all proved falat - 116 cases grandes were admitted at gothic recovered, and of 62 cases returned as Cholina only 9 died - while is agreen amount of Juscep them is returned by the thir only 19 279 242 15 -Etalows Inver, dearthol a me the most primable longland. of gaces of times by 217 17 7 Cholina admitted 5 Died The and the Students of 3 cases of four healed 3 deed - 915 coses of holes as hinted 249 250 1257 Joint, and of 83 cases of Dearthala hanted home died - 30 men appearing the Technical that the high adoptifies the formation on the 7 which of leached only a final to the harman with 5 poly marched to Downa on the 7 which of leached on the get. The dismounted man the days attempted to march they displace only a should 16 the last on the form they come they somethed to the Martin the grant of the should be carried in on the 28 only the 18 harforn months your Bright of the Rot when the same appeared to the company of the 27 hours to the company appeared to the company of the Rot when the same, and sombothed for the Comment of the 27 hours of the Rot when the same, and sombothed for the Comment of the 27 hours of the deaths from deline months are captured to the company of the the sound of the the country and accounts in capture on the 13 de Dongen 28/ 228/1 5 Jones choken Dearchila oppine Whome been the provolut conflaint in this coops - 87 of the 1st accurred gooden 1 D cod: 11 cares of Chalica accurred good hich 7 died; + 80 cases of Marchila both place golid 2 Died - a lose of Alignor from full full - There is no report by D Home Lunger. Beach having been in Charge 17 dances 19 281236 157 There is roreport by Junger Bradak hub from Brand Complains and Chalina appear to have been the most provable diseases 98 cases of four tome moder by about good to Sproved falal:

81 cases of Franklen mechanic growth - 2 provide falal: 11 Cases of holina of which 6 proved fulal

2 rd Division Denrihela. Chalist and trust have been the post provalent comply during the It and Chalist properly more full after the landing of the Ref- in the Country than it had provided flea - the Country than the provided he half thought while the son in Prolesce hat they have not of a source form, and out of that came under tracking the only one from firm, and out of 12 cases of Typender - 2 durid - 4117 lases y Divitale 1 Driv; the Holes of Colors of Chalist of the States of Chalist of the States of Chalist of the second 579 390 32 7 726 40522 6 The pomenting Disense, in the def win From calant Dearships & Choline 726 40522 6 The pomential of deart - no case glabant promoted of 183 cases of 2 88 ythe 1st health - 3 deart - no case glabant promoted of 183 cases of 29 cases glabant 13 proved falal, 44 27 cases glabane and was Encamped at Brigaria sould the left founded at farme on the 18 June and was Encamped at Brigaria sould the light founded at farme on the 18 June and because - Brown Complaint the high for the brigary of the highest complaints for the brigary of the highest challenges and the def during the trouble goldy - I at the highest challenges challenges and a supersonce -33 50331 " From - Drawhila & Chohra were the principles diseases during the Lumber - oftwar 71 auntil opolish I deed of Droubla 176 come underheatural and two dus of thouse - 39 accussed and 23/10000 & falat

from that warning 34 were adouthed and to die to the out

Dearthing peace to appearance in July, and choling tooks out

et the beginning a fugue, furthin a man who had slight spood to the

right air - It offerward affects the let, fallowed it on hourd the thelbown

when the men wire owner owder of make in the Crimen where the mon had nother lends nor many of Conveyance In the month pluly 31 cases of Denorable wire admitted
In - august - 72, and 11 cases of holisa
In Sight - 189, and 28 - 20 Thousand To Man
The Intel rumber quantity at along was 4 Officer, & 77 Insu
7 ofte head: 5 face: I hick: 5 chut: 1 Billy: 13 hoper sylmid; 45 Lower & Trunds four men were felled but no spers - put ou boardoping of Lent down & Trondig The day after the fattle the warmedid were put our boardoping of Lent down This deginient appears whome been comparatually healthy, but 89/37615 2 Jun deandela ofholisa appear whom been the most prevalent Toutlands - 71 cases of fewer were traded ale grobal were dis charled to duly or find kraft 24 gree number were dis charged to the latter much for the charles to the latter to make 107 healed - home daid 19 Drichard to ful Horf! the Euce amonto duly - Cholord of thirty three cases that accounted 13 died - 15 lans of wrinds were trated of which has died -In comparison with the munder padricipions into Hispelet the more totally harbere Small - Two cases officer and 910 proved falat: signores of follower and 19-Drid. and 4211 cases of Brandon admitted from deed. 93 cases of vounds were to mother after the hable of the 52756810 stone ywhich has died 95 928 2172 4 One Sund there cases a form accurred gother 3 died of how themond and him cases of Dunkbu home dew; but of 40 cases of holora 22 Deed - 4 officers have killed & 18 wounded at the battle gree almo on the 20 hpts - por . Com, sprudly 44 killed & 1411 Covended with Jame actor

Royal Athllery & Troop H. Astillo 6 188 197 6 41 This hash ghorse arbitrary Informed from showellust fever at Home Bogue and formed northelia at Done after it Landing in the annua on the 17 Sept it anterest from Scalar on the time of more to Boulablana - and lost forme men by the distrose and spring Innihila - It did not dustrice anylows at Boulganith when the analog had fine men anylows at Boulganith when the analog had fine men hamiled from his siskilled - The Rupiness Lustung alofs of 18 mendelled - # 32 wounded A Fried 12 364 67 9 This Ballony Lost 5 cases of holism and 20: I cose of Brandla ans y 38, and 3 cases of Cholism and of line It does not appear however thouse Infino much subness -203 1708 - Fram and Dinnhile how been the most product Com-plants, and Lone fatal cases of Colore accorded. Clabre - 5 dentes aut & Sight Cuses; and 2 dentes out of 5 F. Bathy 6 183 148 14 7 From Irmhola of holisa howbeen the mosponalist gamps of Truis out of 3 cons none deid; a Dranchold of 78 cons 3 died; and of tholisa 10 deid out of 10 attacked of 78 cons This Ballon was unuderally healthy - The only casually Postery 5 188 49 1 which accurred bring a lake y Cholera and y Willingsis from the disrate

3rd Division Men Jane FRR6/21 Friend - Drawh Da and chaling were the most prevalent oplat denous, in this top-during the Dr - In July the Re-was semaskably health a happing Angus France of transled during the Termouth of 1 Ray 26 683 363 33 & 94 cores of Deanhad Idied. of chalina 25 out of 39 - & one Ensefetpulling proved falat also -4th 20 49 29 3 From Dyroley Dearth Da, of holyge howbeen the most prevery and the top has Superiornech with wife of gl cases afrom 11 provid falut: Ef 55 comes of Dymuling 2 derd; of So cagos of Frank la falue 2 derd; of 53 charles of Cholina 34 Derd The Royals remained at fallifoli could the 26th fing - When the find martins & me why of the Ref. cans ordered tarna when it arrhand on the 25. and was Essembouled on the 3152 pr house no the annie 28 23 5 58 29 5 June diauhen, of holisa howehere he most provalent complaints were treated, but no Casually accured - of 39 cores of holesa 26 desil 25kg3 43 75 hour, whie & Devukon, ot Clother howehere the most prevalut Literas - of 89 of the 1st bound torense bedied: of 159 cares of bound complaints that were treated none deed, but 956 cares of holisa cometted 31 provide folate 44 to setime cause obtained from the Lugar her on aut of the topopher 50 2287 344 / Asun denriha of holera - I case yhe 100 out of 75 truto proud falat - of 144 curs of Durchaa 4 provide falat and 477 ans of Cholera 31 Drid - one case of Reputer dissues provide falat also 4 Division 20th 1 22/12/19 7 Dearshila and Chohra were the privalent dissams in this less of the framer 236 Cases accurred - but no deaths - and of the latter bo cases growing tolat - a case of Symphony, or a case of Primiting, or a case of Primiting, or a 18t 32 50 14/28 . Dearrhola of holisa were the product court? 35 ytte from a sunt 73 ytte total 28

Light Division From - Dennida - chalira and want &- 80 Cares offer were hutel dwhich 3 deed - gg cases of Branches were admitted grother wouldied, and by brows of cholora accurred grother 36 deed y Fort 963 473 42 172 mm were wounded at the alma - and 38 kelled in action 53 cases of fever were healed of which 3 deed: 78 cans of colie & anheas grove of which deid: 41 cases of Cholera Jukich 12 deed: 246 cases of warmed occurred at the alma-23 of which were dangerous: 112 steams, and 73 shight - 38 men evere kelled his action. 35908 457 28 From - Dranke - of polisa howhere the most falat deries 23 842 477 41 use admitted trong you hich died: but of 6 cases of thousand admilled 38 provide falst - at the hable ofthe aliber on 20 hoft the Con of Oficers of this Ref- were belled, and four officer ware furnished: 45 more were killed, and 0153 wounded: 30 dangeroup, To Leverily; of 53 Shally - Chalis on the 23 July Chalis when and mi a devere forme at drong on the 23 July the divinions inquedonthe 25 to monas her about five builts in a trance of drong hat he mischuf hadeen done In the place of the principal wareh pursued agree to arch of mindre of appears were ased but branch of Calomiel - type - Leemto hander most cerosted to dut to that admits with no found result - homeaned it be spilled 33 12767979 - 69 cases of fun were admitted opolich some from falat: 209 cases of Directable were admitted growth 1 promobalat of 79 copies of acholina 53 dud - at the battle of the alone do more liberalities 940 410 15 11 This Regt the Lovering in the Lame division and smamped in the Same camp the above more distant from the most than Some others - has Lustained admaller lofs than any other Ret of the Division - 129 cases of fur were trated or the form note dud . 174 cases of Dearch ka were freated with Egnal Locales . Met only bost the Ret Lestamed was from holise of which disease 15 and of 24 cases provided and followers 88 23 62 722 59 106 Cases offer were hated grobat 2 Ind: 408 Cares of Dearhola were admitted but woredeed: 4 93 cases of cholisa hower 57 died. The disance brite out Luddenly on the 23 July - the Drivision was les moved on the 24 but it did not arent the discore - which dogs the top- on hourd ship, and after its landing in the Orinna-176 cars of finis were trated on but 4 deed: 238 cases of Danha. and heated Lucustylally: 9-53 cases of holisa trated 31 Deed and 49 Cares of wounds the sent tobaled of were belled in 2/3/1m Refly 1072 615 46

Varna 1473 Cases adm? 1642 hinto 249 Ded - big 69 profeser 31 prom Denrihela anty 332 cases. 127 Cases of hobra anty 173 cases of from Dysenbry anty 39 cases, and 14 from other directors

Gullepoli

Verigth 364 - 94 adm? 157 heated - 4 deed - 3 prompose enty 78 cases

1 prombyblilis - 25 cases of Dysenbry accurred -

Senteri - 3010 admi- 3426 knows 124 Drid - 2038 & 30 hft 41 Cases of holina dud out 970: 29 cases gleanhola ant 4323: 20 Wound ant 4 1013 - 7 cases of four ant 4 266 - 3 dets ant 476 amputations 19 from various diseases; & 5 ant 443 cases gdysmlos

Runnels -

at the communicament of July the British army which had been burded in the copyed of the process grow and Barna in Bulgaria bus Smanspert on the Stores of the Lake of Devace - the 15- 2 - and Bil Divisions ashort distance from Varna, and the Light Division at a place Called Madagne about Leven with in advance - The Country and port of the withly were smouped on the Scaleach on the South dide of the Day between the win and the front ofthe lake .-July in hely the De Division moved to Drona about shits in advance of bladyne, and the Tit Division Expland Home there - the Leverd Dirson moved also and Incamped on Essing ground about how miles the light of abodyne and the god Devision remound Sometime longer on the besinity glarma on the bourts of the last when Cholis made its appearance, all but one lot, were semoved the Golda height on the South Side of Varia Bong and Greensprod freng the block Isa - Show they Enjoyed hater henet but he 50 tot which was lift to do duly en Varia Supered Considerably dit was foundherefur brilling it with the 28 -

the walley of Drana sylved from barna the bellage ofthat name a dishave g about 15 miles and is accepted by a chave flakes with low banks - the Lakes are fed by proverful springs which non hear the willage of Deva, The ground where there spring, Tide is Loggy - and before any clear Expanse qualis offermed there are many acres of swampy ground. Towards the bellage of Divas the ground sises and on a plantion between the head ythe take and the willage the infantry of the Light Draision were sucamped, the hoop of Horse artillery puther up nearer to the bellage, - the Light conaby were bested in the balley near the aprings; and the 5th Draguou freeds were placed on Lightformed close to The head of the Lake - The most degnificant indication of the insalutity of this valley is that there is not a farmhouse or ducling, between harna, and the willage of Grona; and So denoty is the wealthy ofthe miles turned by the Stream from the spring feed the lake that during the autumn no one Can befored, the Commepany fout told me, blook three - fet me the worth of July a Strong and healthy division of the British army was located on this pertitorous spot, without any ingul military linson for its hering there, and when its insalutily was pointed and by me to the Commonder in Chief my seport was such by counter Statement from the four formen and the Brigadiers that they were not incommoded by the Smile ghe Swamp - Sho' to me the punter I mile grand Sminations was perceptible snaughin the Sarly morning, but my spinion was laughed at and Indicated until pertilince Inote the Draision, and if choliera hadnot abouted it where it did, Semethent, or putates plow have would have decomated its ranks atitle later in the Isason - as it was the Right were Struck and Super Ini and the 5 D Guard, as might have been auterpated that it Jurgen and 41 hon, and adouthed 296 cases of dissase during the question and of a stringh of 253 - Thus the shale comps with this the

Ry's offen . Mrs. R. a. D. R (Found loosein FRTI/1) FRR6/23 17th 23: 729 · 112: 14: 52 Bearhela & Cholera the prevailing diseases -2 david ght former, and 12 from the latter - 22

The definited arrived at Brisk love on the 16 Det and another to the de onto campon the 19 to compand a firm of from the de onto the fire haven where the construct is to be have the construct of the former to be the former to the construct of the former the former the former pulsare, and it construct from the total the land the construct of the the theory to pulsared - Cholina which formalled in the land town mades its approximate amongst the the trans and before the first of the month 12 min duck of the desert X amund in Camp 20 15: 370-7: 795:38:52 - Four. Catanh: Dysombon - Danhau - Choline and annuals were the franchist complement of the deaths produced & more dies of franches: 5 of 2 yearles; 1 of deaths of challen is of the country o Traces of Senry derrhutic Dealery Drawhoa 21 8 left 24: 943 11: 800:49: 113 From: Dydenley : De archive : Choline: Thorward the providency Crypt I than deal approved the property of th 46 " 33: 963 44: 909. 149 - Dysonling: Diarhan: Choline and Rhommatish and Beneral wire the provalent diseases - 1 man did grapember : 26 grantela: 106 of Cholina - 9 of Rhomatis on (mish hely Jenny) and three of loomed - Levers and continuous work the Longin Considers as the Aciting cause of house the new form 8 to the 30 the men had only our night award in bid -This if there brow mistake in the matter constrained duty those the human pour could Instain under any circo 68 - 23: 213 0: 1396: 32: 108 - Dysentery Dear hila: Cholina: Administrate and downed were the providing complaint the Quarter: 10 min died of Dysentery: Sy Cholina; 074 opposites horrowards are appended to this Edward by Lurgion Thousa

3 Devision Offers madding - D Law a a - 2 Mayab 25 " 902-0-408-93-58-From - Dysulone - Denriha debolira hand been the provalent Complaints. 2 min der of Mann the Sugar Lays the more comparations of health in service the sugar lays - the man were comparationly health in services the Sugar Lays - the man were comparationly health in services the Sugar and the sugar the sugar the sugar the sugar the sugar that is appeared to superspers from the count of proper Sheller - Colling of pull -Improper foud want of proper deller - allhing office -and overfaligue are the causes assigned for womenthe Judnets -4 foot 24. 464-3,412.33.93 From Dysonly - dearthla & Cholora were in draft 1 Sorg - + 70 men joined pombagland in Dramber 107 Calarih: 6 42 yambry: 1 g Denvidea: 28 out g 34 cases gehalira - and 20 junes The Regional - g of the former bear the provaled one case gentral landed from Malla on the 22

(Landed 27 hors-1864)

(Landed 27 hors-186 Fire Catarrh - Dysenby Dantola & Tholer a have here the most problem Com 25: 496-5:502:40:93plants - 1 minders of fewer - 14 Dybenting , 5 of Dramble 28 of Cholisa - and fine growinds -D: marlow recapitulally ale the head of secting course of dissace that have been to often mationed -I hanfines & shellin: 2 Insept andy in rations. 3 Want of Clothing: 4 hersout duly . Hant offerel -36: 867-5: 469:31:76. - From Catarrh: Darrhola. and Cholora And of fewer: 9 dysendry 1 - 10 Dearthela. 20 Of Cholora Softwards of of Spelopsey. 44 22: 500:4: 366:61:53. From Denre he Molira have been gown: 2 g Primolet complaints: 9 min deid gown: 2 g Primonia: 3 g Dearchea - 41 g Cholina 5 framed; or of Spel for -Turgeon thee Eccapabilates the Several Exceling Causes -His Bue low were carlaculy present for disto discomfort 21: 651: 1: 382: 64: 63 - From Dearth da Molern the prome dens one man did often: 1 of Calanth : 6 of Dearth & a : 46 of folian and 11 of Nounds -Sgt. 23: 648 0: 277: 43: 161 - Denselve Tholera have been the privaline 2 men were from to the the; and one due grounds musched into The Regt marched into comp without aluk Camp 19 8 1-Inne on the 19 Drd and was attacked with Cholisa the night gib arrival, which proved falat 140 men before the End ofhe hund

and Devision Offer sure Row adal Ded Reme Remarks -30 Seft 14 " 504 7 4543 53 - 55 gratist 1- did - Dranker gratist the did (135 Wound) (35 pour Wounds) 13 g were wounded of show 35 deed - 5 source accubes the amount operation in the loops to barnelle weather store dely and have apply deed - Frank as trugged of persons and butpharie and most brushing to the treatment 18 " 670-6 , 645-66 , 95 were the most prevalent Complaints - 2 der's More (165 Nord) (53 Words) and 53 governor 47 23 - 661 0 , 581 26 " 78 Trown and bowel complaints owing to hard duty, importable home beau the presenting, aight absence grandable home beau the presenting discourses - 2 dead officers: 2 of Dysouting; hydrauchen: 14 of Cholern; ahal 1 to grandable learneds 49th 21 , 635-2 , 565-13 is 40 From diarrhea: Cabrish - Cholina, and junglish wounds tome been the providing com plant - 1 mm deid gleur: 2 y Chrit affertes 19 de archie a - 49 y Chalera -Thegralet members of admissions with place in october - homembers the least - Dremberte most falst accasioned by the incluming of the weather, want greare dothers, by good book 53 16 .. 713 - 4839 21 - 126 From gwhich deid: Calarch: Drendery gwhich 3 deid: Dearthea: Cholin gwhich 15 Deed - Birmed gother how deed have been the most prevalent conflaint. Branches appeliero Byrentery Branches Cholera Harrist appeliero Byrentery Branches Cholera Harris Ameliene that monthing amplient Jeven duty - brough of proper thether that the good yet with the course of the grant that the the managest a droft of 86 3 Youngboys fromed on 12 22 hot 128 on the ubrit; of 140 old bolders from Sulore Harne Tharmough the principal part of the truth report all the mortally was amongst the young burnet, who were surgical to the lines duty required of themes borne the courses ofthe great sukness of the made, Luffly grandendes of med Lampart Mortrealer Last 187m and the soul - gra 839 admission, 21 deed 187m redent to good Hooft -505 worder, clarged to duly of 126 Irmania at the End grac of 62 ad 22 - 562 " - 378 31 " 57 The Right Louded on the 13- + 18 North of charles on almost immediably abacked by challen - one man derot from : 19 mg pine a Deont la & 23 of cholisa ant 95 14 - 477 4 . 677 50 . 80 home been the most privalet compland States of from ded: 10 phromodelis: 3 the (13 Wounds) (5 Wounds) from ded: 17 of Dennihoa: 15 out 917 cases of Cholina, and 5 died from dr.

Abstract of Regionsulal Repuries for quarter Ending 31 29 1- 1854 Observations Reg 2 offer seem line sedon Dad lind This Suburne down not sombrace the month of actober - The Leading complement from to have been found a Which I down a sprending gooding 2 Inches from the which of Dried, and Cholina of which form also sheed 35. Sunt 20 662 29 199 16 44 Ideals only 19 cars - Darsheal death, only 366 case; 1 well only 14 cars; 21 death, from 4 Fearsh Cholisa: 10 deaths out of 128 Hound I Druk one of 21 amputation - of 128 Hound I Druk one 18 Colohim 23 561 1 775 48 Frost beter were common in Del' and the many of heaten him water Convers madequate 08 Lule voice 2 mound by the franch Litters - M'-math derived great advantage from the use of Line piece ser Jewors Susilis horder 897 121 459 46 166- From - 19 Primor mind: 19 Calanch: 42 High ourry not provalent on age to the men brong able to bry bry bry bry the months on Bouthland The promise and chaline dancher he promodent anylowed . 2 of Dysendery; Both of the Standing; Both of the standing; Both of the ordinary foldermeter of discountry of the ordinary that I get the gother and discountry the ordinary that the ordinary that the ordinary that the ordinary that the ordinary the ordinary that the or 79 Heep 31 806 Jun Chohra, sysultry obliantila Laurhem the most provident Complants from Sysmury Spore Densithe: 12 pour bolera " from designe of the heart - and one prom Pemphera -718 91 327 28 48 From & tendercy to Leaving prevailed sphins andy in this comps to munio the heapity of pish beginables trains purchased but it does not attended to 42 m has the . 8. died after promes of 58 ofthe latter: 1
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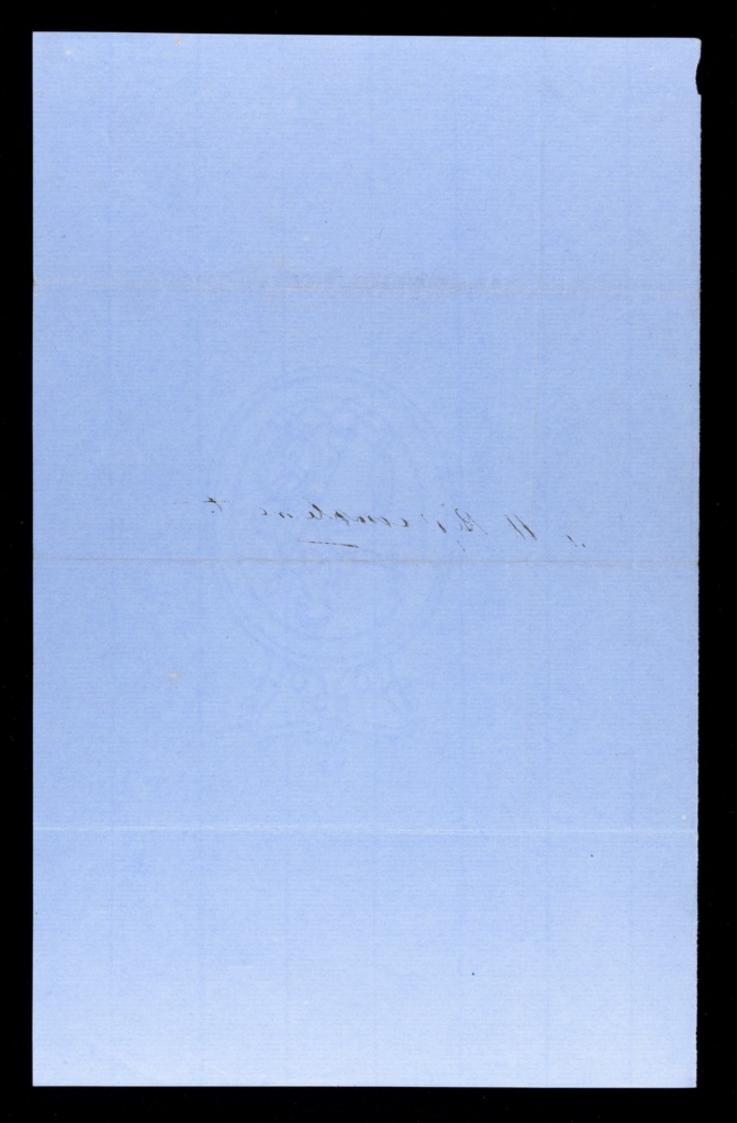
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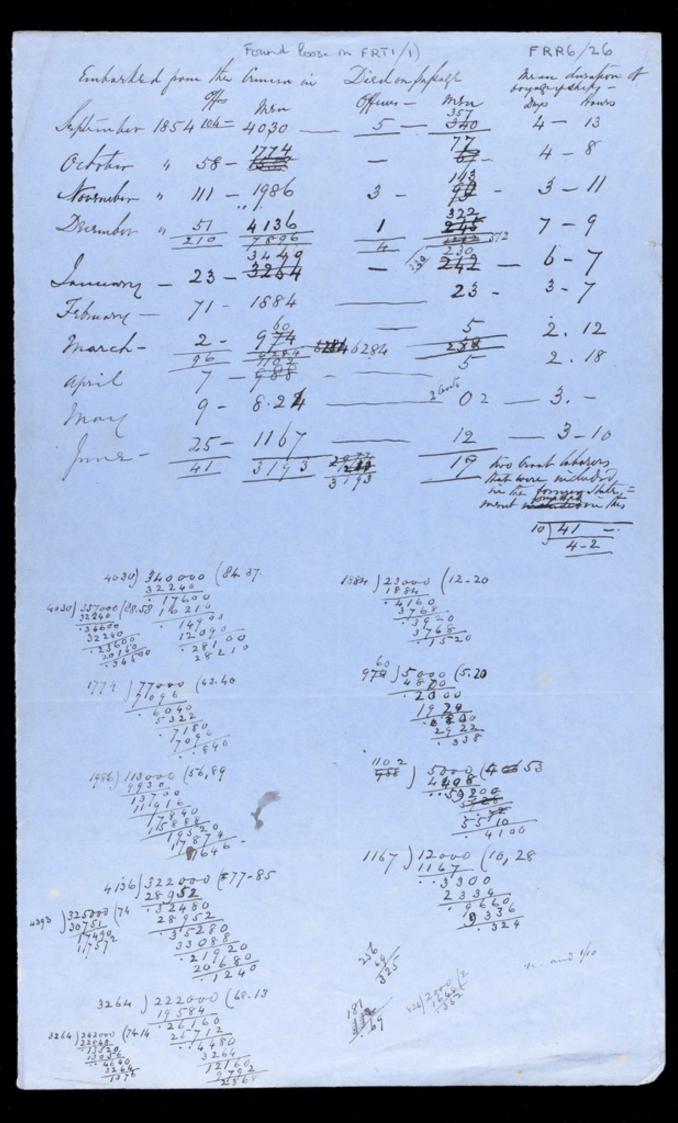
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With D. Melny's Complined AND SANITARY ARRANGEMENTS CONSTRUCTION THE FRR6/27 BARRACKS AND HOSPITALS. [Reprinted from the JOURNAL OF PUBLIC HEALTH.] The Memorial of the undersigned Physicians and Surgeons, to the Right Hon. Lord PANMURE, K.T., Her Majesty's Secretary of State for War, Sheweth,-that 1. Your memorialists, in the practice of their profession as medical officers of Her Majesty's army and navy, or of the Hon. East India Company's army, or in official civil service, have long had their attention specially drawn to the investigation of the causes which affect the public health, and tend to produce disease in establishments where large numbers of persons are congregated together. 11. The health of the inmates of such establishments depends mainly upon the observance of certain hygienic conditions which the science of medicine has pointed out, and experience has proved to be necessary for the due performance of the functions of life. 111. The amount of sickness and mortality among the general population of Great Britain is at all times far greater than it ought to be, in consequence principally of the constant prevalence of different epidemic diseases, especially of fevers and bowel complaints, arising from or aggravated by the neglect of sanitary precautions within and around the dwellings of the people. IV. The healthiness of most of the workhouses and prisons of this country has been, of recent years, very greatly increased by the sanitary improvements which have been introduced into them upon the recommendation of experienced medical officers. In consequence of these improvements, typhus fever-the existence of which is one of the surest tests of local insalubrity—has been to a great extent banished from among their resident inmates; and the frequency and virulence of bowel disorders and other zymotic diseases have been much diminished. v. Still more decisive evidence of the efficacy of such measures, in the prevention of disease and in lowering the rate of mortality in similar establishments, has, of late years, been afforded by the experience of the Metropolitan Association for Improving the Dwellings of the Industrious Classes. During the three years 1850, 51, and 52, the average mortality among the residentsconsisting chiefly of the better class of mechanics and artisans, and including a large number of young children, among whom the proportion of deaths is always high-was only 13 and a fraction per 1000; and in 1853, when the whole of the establishments of the Association were in full occupancy, it was much lower, while that of the metropolis generally was at the rate of 22 deaths per 1000. Not a single case of typhus fever has occurred in any of the improved dwellings since they were first opened. VI. This remarkable healthiness and exemption from fever have, in the opinion of your memorialists, arisen from the adoption of certain definite sanitary arrangements in the construction of these buildings, viz. : 1. The thorough subsoil drainage of the site. 2. The free admission of air and light to every inhabited room. 3. The abolition of the cesspool and the substitution of the water-closet, with complete house drainage. 4. The abundant supply of pure water. 5. Means for the immediate removal of all solid house refuse, not capable of suspension in water and of being carried off by water. VII. The average rate of mortality among the troops in the United Kingdom is excessive, being 17 per 1,000 of the whole force, while that among the general civil population at the same period of life-viz., between 20 and 40 years of age-is not quite 12 per 1,000, notwithstanding the abounding preventible causes of ill health among the working classes, especially in large

In the metropolitan police force, which consists of men of about the same age as soldiers, and who are equally exposed to frequent night duty, the rate of mortality during the 10 years 1840-49 did not exceed $7\frac{1}{2}$ per 1,000 among an average force of 4,895 men—or less than one-half the mortality among the troops.

VIII. A large amount of the mortality among the troops of the United Kingdom is caused by continued fever; which, as already stated, has been in a great measure banished even from our workhouses and prisons.

The proportionate mortality from this disease alone in the army at home is double that among the civil population of 24 large towns; and in one of the metropolitan barracks it has, on the average of 10 years, 1837-46, been as high as at the rate of 4 deaths per 1,000 of the strength—an enormous proportion, four or five times as great as that among the general population of England.

- 1X. The rate of mortality among the troops in the United Kingdom from diseases of the stomach and bowels, including diarrhœa and dysentery, is much higher than among the population of our towns at the same periods of life.
- x. The troops in Great Britain have on several occasions suffered severely from Asiatic cholera, the fatal effects of which disease universal experience has shewn to be so intimately connected with the sanitary condition of dwellings.

During the visitation of 1849, from the beginning of July to the end of the epidemic, in a force of 4,469 men in the different barracks of the metropolis, there occurred 69 cases and 27 deaths; while not more than one case of cholera occurred among the inmates, 795 in number, of the metropolitan buildings or model-lodging houses, although several of these buildings are situated in neighbourhoods where the pestilence raged with severity, and many of the residents, being artisans, were much exposed in their daily occupations to unfavourable influences.

Moreover, in 7 of the metropolitan prisons, having between 2,000 and 3,000 inmates, there were not more than 3 cases and 2 deaths during the whole epidemic. This fact is the more worthy of notice, as some of these prisons had suffered severely in the visitation of 1832, since which time important improvements had been effected in their sanitary condition at the instance of the medical officers.

The complete exemption, too, of Bethlem Hospital, and of the Hanwell Asylum, containing together 1,361 patients besides attendants, is a striking evidence of the same nature.

- XI. Besides these diseases already mentioned, other maladies, which at all times cause great mortality and a large amount of invaliding among the troops in the United Kingdom, as disorders of the respiratory organs, are much aggravated, if not directly induced, by local causes affecting the health of the soldier; and among these causes, none is so detrimental as the mal-sanitary condition of many of the existing barracks, guard-houses, &c.
- XII. The different proportion of sickness and mortality in the different metropolitan barracks affords the strongest presumption that this difference arises from the operation of injurious local causes in connection with these barracks upon the health of the men.
- XIII. A similar faulty state of things, as respects the barrack and other accommodation, exists in almost every colonial possession of the British crown, to the serious injury of the health, the sacrifice of much life, and the consequent impairment of the effective strength of the troops, as well as involving a very heavy expenditure to replace them.
- xIV. Should your Lordship desire to be provided with specific proofs of the above allegations respecting the excessive mortality in the army both at home and abroad, your memorialists are prepared to furnish detailed information on the subject.
- xv. Your memorialists are convinced that the required improvements in the barrack &c. accommodation, and other physical comforts of the troops, would not only much diminish the existing amount of sickness, invaliding and death, and thus eventually lead to a great saving of national expenditure, but would also react most advantageously on the moral and intellectual character of the soldier, and on the general efficiency and welfare of the service.

The besetting vice of drunkenness would doubtless be much diminished, from the increased salubrity of the air of his dwelling, and the consequent absence of that depression which invariably results from residence in a vitiated atmosphere.

XVI. As it has been announced in Parliament that several large barracks are about to be creeted in different parts of the country, your memorialists would respectfully urge upon the Government that it is highly desirable that all the late improvements in the construction of buildings bearing upon health should be introduced, more especially as these improvements are in themselves inexpensive; and they would submit that as regards the site, preparation of the ground, and the structural arrangements and appliances of barracks, guard-houses, military hospitals, and prisons, medical men, who have paid special attention to the subject, should be consulted, in order that in a matter of so much public interest the army should have the advantage of all the experience derived from the progress of sanitary science.

(Signed)

NEIL ARNOTT, M.D., F.R.S. B. G. Babington, M.D., F.R.S., JAMES BIRD, M.D., F.R.C.S., &c. ALEXANDER BROWNE, M.D., Sur. h .- p. 37th Reg. W. H. BURRELL, M.D.,

Staff Surgeon, late P. M. O. Eastern Army. JOHN DAVY, M.D., F.R.S. L. & Ed.,

Inspector-General of Hospitals.

R. D. GRAINGER, F.R.S.,

Lecturer on Physiology St. Thomas's Hosp.

WALLER LEWIS, M.B., F.G.S.,

Metropolitan Commissioner of Sewers.

JOHN LIDDELL, C.B., M.D., F.R.S., Royal Hospital, Greenwich.

RANALD MARTIN, F.R.S.

J. O. M'WILLIAM, M.D., F.R.S.

G. MILROY, M.D.,

Governt. Med. Inspector in Jamaica, 1851.

E. A. PARKES, M.D.,

Physician University College Hospital.

- T. SOUTHWOOD SMITH, M.D.
- G. Brown, Surgeon-Major Grenadier Guards.
- J. Monro, M.D., Surg.-Major Coldstream Gds.

TH. RICHARDSON,

Surgeon-Major Scots Fusileer Guards.*

April 11, 1855

· On the 23rd of May, Drs. Arnott, Brown, Monro, Bird, Lewis, M-William, and Milroy, had the honour of an interview with Lord Pannure upon the subject of the above memorial.

At this interview his lordship expressed his high sense of the importance of the subject, and of the value

At this interview his lordship expressed his high sense of the importance of the subject, and of the value of the information and suggestions brought under his notice.

The memorial had been referred by him to Dr. Graham Balfour, of the Royal Military Asylum, for consideration, and that gentleman had on nearly all the material points confirmed the statements contained in it.

Lord Panmure said that he entirely coincided in the recommendation that no barrack or military hospital should ever be built without the plans as to the site, construction, and sanitary arrangements having been previously submitted to a medical opinion. The memorial would be transmitted to the Barrack Committee now sitting, and the attention of the committee drawn to the offer made by the memorialists to afford detailed information respecting the condition of existing barracks and hospitals at home and in the colonies, if such information was desired. information was desired.

Sanitary Commissions Huts for Parracks & Hosp's on a humonal to Lord Panmore, from Sondy Med Men

For D: Hander Muff Lugen 1. Class of be send in the Hayade. FRR6/28 SANITARY ARRANGEMENTS FOR THE CRIMEA AND SCUTARI. EXTRACTED FROM THE "SANITARY JOURNAL." Perhaps there is no subject so deeply interesting to the public at this moment as sanitary arrangements for the seat of war. Our troops are now fed, clothed, housed, and in comparative comfort. Death no longer stares them in the face on these scores; but he does on that most essential of all for the coming season, namely, sanitary wants. Most essential, we say, for our conviction is, that unless the most energetic means be made use of to neutralise the effect of the enormous collections of animal matter of every description, which have so long lain spread around the camps and hospitals, in addition to the vast numbers of dead bodies, both human and other, exposed or barely covered, a pestilence will break out which will be irresistible, and act alike upon all who come within the influence even of the wind that may

effectually incutralised. It is to be recollected that our army is stationary within their lines, without the power of altering the position of the troops, as is done wherever practicable in other instances. From Balaklava to the outer trench of the encampment, and within the whole area, which covers many miles, the entire surface may be said to be covered with a body of impurities, which will from henceforth begin to yield their poisons to every breath of air and every gleam of sunshine, and give them out wholesale to the glow of heat which almost invariably rises during the nights of Spring in that part of the Crimea. Unless measures be resorted to, which we are fearful are not now contemplated, we apprehend the results will be indeed deplorable-and yet, the steps which have been taken will lull the public and the authorities into fancied

blow from the locality; a very plague, in fact, must arise, unless the emanations from those collections be

In such a juncture, we conceive it to be the duty of all who can aid by advice or otherwise, if founded on fact, to offer it. We feel, therefore, that we could not devote our time or our pages to a better use-

for the question is one of life or death to thousands.

The public is aware, that a Sanitary Commission has been sent out to investigate the state of the hospitals at Scutari, and "to employ scavengers to cleanse the camp at the Crimea." to criticise the appointments, but there cannot be a doubt that in this case "routine," as in so many other cases, will be likely to mar useful results. The three commissioners have been long accustomed to one certain "routine" of so-called sanitary operations, namely, sewers, sewer-pipes, and sweeping. We can scarcely expect them to travel out of what they have always practised, and if proof of this be wanted, it is to be found in the fact, that they have specially employed a staff of overseers selected from Liverpool, who have been always accustomed to remove all nuisance of the streets, &c., by sweeping it up and cart-

Now, if this plan be followed, without means being used to disinfect the mass of matter to be swept up in the Crimea, and to destroy or prevent the exhalations which will be drawn out from the surface after the sweeping (for the ground will be saturated fully a foot or two in depth)-if this plan be followed, it cannot be doubted that sweeping alone will produce almost as much evil as good. Any one who observes a scavenger's operations in sweeping even a paced court or lane, where filth has been thrown, will fully understand that the atmosphere has perhaps more power of producing evil after the sweeping than

before it.

This, then, is what has to be guarded against. Mere sweeping and carting to some general depository will not effect the purification of the atmosphere. But happily there is ample power to accomplish this, and almost without cost in the Crimea and at Scutari. If the latter were not the case, and that we recommended some particular thing that was to be supplied by, or purchased from, some particular person, it might be supposed we had a special interest in the recommendation : but, in the present instance, this is not the case: the means for fully disinfecting the whole matter to be collected at the camp, and effectually purifying the atmosphere of the hospitals at Scutari, is to be had almost without cost at all points of the seat of war, as may be seen by the papers we now publish, which have been laid before the late Government, and also transmitted to leading parties at the camp and at Scutari.

[Copy .- No. 1.]

" SUGGESTIONS FOR THE SANITARY ARRANGEMENTS AT THE SEAT OF WAR.

" Collect throughout the camp, and from the stores for fuel, all the refuse charcoal, such as is too small for being used as firing. " Granulate this by pounding, or by passing over it a garden-roller, until it has the same appearance

as coarse cannon gunpowder.

" If the quantity obtained in this way be not sufficient for the purposes hereafter described, prepare it in the same way from the large pieces of charcoal, selecting that kind which is made from soft woods, such as alder, poplar, fir, &c.

"Keep this protected from rain in such positions throughout the camp, &c., as may be convenient

for carrying out the following arrangements:-

"Commence the preparations for thoroughly cleansing the whole surface occupied by the troops, by digging, in such positions as will be most convenient for the purpose, trenches about ten feet in depth, and of such length, &c., as will provide for the quantity of matter to be collected from the adjacent places.

"Into this throw the whole until it has filled within two or three feet of the ground line.

"Over the entire of this matter then strew about two inches in depth of the granulated charcoal, levelling the top, and then fill in the trench with the clay dug out of it, tramping each layer of ten or twelve inches well with the feet.

"Follow this course throughout the camp until all the matter is buried with a coating, as described, of charcoal over it, and no odour will, in any instance, escape afterwards.

"This being done, strew over the whole surface of the camp which has been cleansed and swept, granulated charcoal, throwing it with the hand in about the quantity that would be used of grass seed to sow it broad-cast.

"The result of the latter will be, that any exhalation drawn out by the atmosphere from the absorption taken in by the earth or soil will be arrested, as it rises, by the charcoal resting on the surface, the affinity between the two being perfect. The atmosphere will these be kept pure.

In larging the cloud, as usual in trenenes, the same course as before described should be followed.

When the bodies have been ranged together, two or three inches of charcoal should, if possible, intervene between them and the covering of earth, which should also be well tramped down.

"Receptacles for the daily refuse, &c., of each regiment or company, should be prepared by simply digging a trench, with a rail running along one side longitudinally, about eighteen inches from the ground. Into the bottom of this trench should be placed about a foot in depth of granulated charcoal, and occasionally, say once a fortnight, a slight additional quantity thrown on the surface will be sufficient to prevent escape of odour. When nearly filled, it should be treated as other trenches, and a new trench dug.

"If these suggestions be followed accurately, the atmosphere of the camp will be preserved in purity, the more especially if the charcoal used be made from the soft woods named, which approaches nearest in quality to that made from peat.

" JASPER W. ROGERS, C.E."

" Peat House, Robertstown, County Kildare, January, 1855."

[Copy .- No. 2.]

" SUGGESTIONS FOR SANITARY ARRANGEMENTS FOR THE HOSPITALS AT SCUTARI, ETC.

"Use the charcoal of the country in place of peat charcoal; but have it made, if possible, from soft woods, such as alder, poplar, &c., and follow the suggestions hereafter submitted.

"Granulate the charcoal by a garden-roller, or by pounding, until it appears like coarse cannon gun-

"Strew this plentifully under the beds and over the floors of each ward, especially under the beds.

"And have a handful or two placed in the bottom of each pan.

"Prepare flat cases, made of coarse open canvas or straining cloth, from two to six feet long, one to two feet broad, and three inches thick, like the case of a mattrass. Fill these with granulated charcoal, and suspend them from the ceiling by cords fastened to the corners (the edges of the cases downwards), at intervals of ten or twelve feet, from end to end of each ward.

"The result will be that the charcoal will absorb all the gaseous impurities affoat in the whole atmosphere of the room—the affinity being so strong that they will rush to it even from a moderate distance.

"Prepare similar cases about three feet square and two inches thick; place in these granulated charcoal, first sifting out of it the fine particles, so that the coarser grains will not pass through the canvas.

"Use these as coverlets on the beds where patients have sloughing wounds, mortification, &c., and all the bad odour will be arrested before it can pass into the atmosphere.

"If the fine powder of the charcoal, which is had by the sifting, be sprinkled over the dressing, poultices, &c., either in contact with such wounds or not, the odour will be taken up. If in contact, the wound will be cleansed, and a tendency to healing is generally produced.

"The charcoal on the floor may remain until wetted. Let it be then removed; and if *dried* in a stove, so as simply to expel the damp without bringing it to a red heat, it will answer perfectly well for the floors again.

"The charcoal for the cases, coverlets, &c., required to act solely upon the atmosphere, should be prepared without allowing water to be used in extinguishing it, and only sufficient admission of atmospheric air to produce slow combustion.

"In submitting these suggestions, it is right I should state that they are not theories. I have had them all practically proved both in the United Kingdom and in Paris. The first chemists of the day, headed by Dumas, Bourssingault, Payen, &c., have tested the properties which I point out as existing in peat charcoal; but when charcoal of soft woods can be had in such abundance in all parts of the seat of war, I would recommend its use, perhaps with equal effect, under existing circumstances; for the exposure of peat charcoal in sacks to the damp of a long sea voyage would lessen its powers. In any event, one can be had on the spot almost without cost—the other would be at considerable cost and delay.

" Peat House, Robertstown, County Kildare, January, 1855." "Jasper W. Rogers, C.E."