

**Proceedings of Boards and Committees of Medical Officers re the health of Mr. Ward, Purveyor to the Forces, June 1854; officers invalided home to England, Dec 1854; examination of dried meat, Jan 1855; merits of saddles used in the French army, Jan 1855; and sanitary conditions in the army besieging Sebastopol, March 1855**

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Proceedings of a Board of Medical Officers held here this day pursuant to instructions received from the Director-General of the Army and Ordnance Medical Departments, to enquire into and report upon the state of health and officiating of Mr Ward, Purveyor to the Forces.

President, Staff Surgeon 1<sup>st</sup> Class Menzies  
Members { Staff Surgeon 2<sup>nd</sup> Class Anderson  
J. Do Powell

General Hospital Rules  
20<sup>th</sup> June 1854

The Board having carefully examined Mr Ward, finds that he is in his 68<sup>th</sup> year and has been upwards of 40 in the Service. He has served in the Malakka Expedition in 1809, also throughout the Peninsular campaign and in South of France and again in Belgium in 1815. For the last 31 years he has been at Malta.

Although Mr Ward does not appear to labor under any disease at present, yet the Board is of opinion that he is from old age and long service, physically unfit for the active duties required of a Purveyor with the Army in this country. The Board therefore begs to recommend that this Officer may be allowed to proceed to England.

S. Menzies Staff Surgeon 1<sup>st</sup> Class  
Anderson Esq. Staff Surgeon 2<sup>nd</sup> Class  
George & Powell Staff Surgeon 2<sup>nd</sup> Class



Proceedings of a  
Board of Medical  
Officers on Mr.  
Purvis for Ward

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Scutari  
20 June 1866

Rd 18 Dec 1857

FBS 2/2

J.H.

General Hospital (2pp.)  
Sutcliffe 7 Dec 1857

Sir

I have been the honor to send  
you Proceedings of Medical Board  
on the Officers subject with Major  
who have been recommended to proceed  
to England for the recovery of their  
health in triplicate for the approval  
of the Commander of the Forces.

Capt. Jennings 19<sup>th</sup> Reg.  
Lieut. Radcliffe 88<sup>th</sup> Reg.  
Corst. Booth 13<sup>th</sup> Reg.  
Capt. Dallas 11<sup>th</sup> Reg.  
Lieut. McKillop 3<sup>rd</sup> Reg.  
Capt. Gould - 63<sup>rd</sup> Reg.  
Major McMahon 10<sup>th</sup> Reg.  
1<sup>st</sup> Capt. Staff Surgeon Carr  
Lieut. O'Brien 30<sup>th</sup> Reg.  
Harcourt 30<sup>th</sup> Reg.  
Capt. Bulwer 23<sup>rd</sup> Reg.

The Case of 1<sup>st</sup> Capt. Staff Surgeon  
Carr, you will find amongst the  
numbers; this Officer has been for  
some length of time laboring under  
Dyspepsia, which assuming a  
chronic form and deriving no  
relief from the remedies employed,  
his Case was sent down by 2<sup>nd</sup> Capt.  
Staff Surgeon Dr. French who  
attended upon him and recom-  
-ending a Medical Board, which  
I accordingly granted & which  
have by the first report for England.

I have by the timely arrival of  
1<sup>st</sup> Capt. Staff Surgeon Dr. French been  
able to supply the Case place at  
the General Hospital. Considering

The

John Hall Esq. M.D.  
Inspector General  
Head Quarters  
Glasgow.



The large proportion of sick & wounded  
at the Barrack Supplementing Hospital.  
I have also availed myself of the  
services of 1<sup>st</sup> Lieut Staff Surgeon Dr.  
Quicksilver, who arrived here  
sick from the Crimea,  
being now able to undertake  
duty and have given him the  
general superintendence as the  
senior officer in Barracks,  
as I cannot from the numerous  
other calls upon my time and the  
extent of the Correspondence  
devolving upon me, be able to  
pay regular visits of inspection  
there - I have also arranged  
that each Staff Surgeon should  
in turn visit the Convalescent Ship  
in Harbour, viz the Turkish Hulk  
and Bombay Transport and report  
upon their state twice weekly.

The Esplanade at Colaba  
has already been engaged for the  
accommodation of the Persian  
wounded Prisoners in Barracks.



There is still accommodation for 800  
more sick there and if we could only  
get over the Hospital from the Turks  
who are now in possession of it, we  
could have at least 350 more  
beds. I shall get 1 Corp. Staff Surg.  
O'Flaherty to visit Coolah today  
in the morning and will report to  
you the result of his enquiry.

We are now preparing to embark  
about 1500 Invalids on board of the  
"Talaria" Transport for England  
under the Medical Charge of Capt.  
Surgeon Bywater 23<sup>rd</sup> Fusiliers,  
whose state of health & state has  
been indifferent, but perfectly  
capable of taking charge of the  
men. - Capt. Surgeon Foote of the  
26<sup>th</sup> Reg. had been previously  
nominated for this duty, but  
had to be sent in charge of 12  
wounded officers who left this  
in the "Taurus" Steamer on the  
30<sup>th</sup> ultimo.

The "Hanger" only left  
this for Abydos on the 4<sup>th</sup> inst.  
with 130 Invalids on board.  
We were enabled to dispatch



to say to whom all the upstaring and  
Navy's stores out of the vessel before  
the last this, better understanding the  
great delay which took place owing  
to the very boisterous state of the  
weather. —

The Commissioners have called  
upon me for various Reports and  
Returns connected with my Charge  
here, which I find will take  
me sometime to furnish and  
having been so much hampered  
from time to time by almost  
insufficient establishments of  
Hospital Servants and Subject  
as we have been to so many  
changes by the removal of  
wardmasters, orderlies &c  
our Returns must necessarily  
be defective in many respects  
and the sudden influx of  
sick the wounded after and since  
the battle of Alma, has not  
altered the state of things. So  
far as the establishments at the  
General Hospital is concerned,  
I shall be able to give the



information wanted, but there will be considerable difficulty in ascertaining the daily admission and discharges & cases in Barracks. There was there a great difficulty for me having a separate and permanently established Corps of Hospital Servants, in order to be perfectly independent of the Military authorities, who in place of attending as assistants, too often threw difficulties in our way, by suddenly withdrawing orderlies from their duties, just as they became acquainted with them and to be useful in their attendance upon the sick.

I have determined some of the Medical Officers that arrived by the last ship to go duty here and release their boats. I have sent you a Return showing those on duty at our Hospital Establishment - here at the present time - one of the officers ordered to return with the Australians; Capt. Surgeon Goringe of the 1<sup>st</sup> Royal Dragoons, did not as I was able and informed present in



that report, perhaps having it  
appears been provided for him in  
the "Arctic" State here, by the  
Admiral. I called upon Mr.  
Loring for an explanation,  
which I now forward and beg  
for your information. -

I have to forward a Memorial  
Return of Amputations both primary  
and secondary - the former having  
been performed in the field and  
the latter since admission into  
the General Hospital at this place.  
also an Abstract showing at one  
view the result which I thought  
you would find convenient  
to refer to. You will observe by the  
few remarks which I have made  
the large proportion of fatal cases  
from secondary than primary  
amputation, and which under  
all the circumstances of the un-  
favorable state of these cases on  
their arrival here, might reasonably  
be expected. - You will also



Received Monthly Return of Sick and  
wounded for the month of October,  
with Observations thereon also a  
similar Return from Sullipali for  
the same period. besides a Return  
showing the number of Medical Officers  
now doing duty here and their  
distribution. By a communication  
I received from the Director General  
of the G<sup>o</sup>. Affairs, regarding the fully  
informed as to the number of Servants  
employed about the Hospital and  
to state what additional apertures  
among require. I have accordingly  
furnished him with a nominal  
and classified Return of these and  
send you copy of the latter together  
with the communication received  
and my reply for your information,  
which I hope will be satisfactory.  
and I also enclose Mr. W. R. P. S.  
letter letter on the same subject.

I have the honor to be

Sir

Ever most obedient

Humble Servant

D. Menzies.

Deputy Surgeon General

P.S. The Board upon the

P.M.O.

wounded Officers will if possible be forwarded  
in my next letter.



7 Dec 1854. *Scutari*

Letter from D. Thompson  
about Invalid Officers,  
about. Quarters from Inst.  
Commissioners - and  
for Inst. about 12-1/2  
Invent required -

Fair copy of this to be written out, &  
the original sent back to me  
If

20 Jan. 1855

FBS2/3

We bring a Medical Committee appointed  
by S. Hall, Inspector General of Hospitals, pursuant  
to Instructions received from S. Smith, Director  
General of the Army and Ordnance Medical  
Departments, to report on a Specimen  
of dried meat sent out in November  
last, and proposed to be supplied for the  
use of the Army in the field, certify,  
after having had the portion of <sup>Patent</sup> dried  
meat labelled "Cote de boeuf 14 Juillet 1854"  
prepared in the manner set forth in  
the instructions which accompanied it,  
that we have partaken of the same, and  
find it very palatable, but the muscular  
fibre rather dry - It is <sup>very</sup> portable - keeps  
well in all weathers, at least judging  
from the specimen under consideration,  
which has been lying in a damp tent  
for the last six weeks to test its powers  
of preservation; and would <sup>in a long journey</sup> be a great  
acquisition, under certain circumstances  
to an Army in the Field, and we therefore  
recommend that a supply of it be sent  
out, and kept in reserve in the  
Communiariat Stores -

One great objection that strikes  
us to its general adoption in the Army  
is the length of time it requires to be  
steeped



in water before cooking, which is not com-  
patible with either the habits of British  
Soldiers, or the Economy of military  
life in the field.

John Hall M.D.  
Inspector General of Hospitals

Camp before Sebastopol S  
20 January 1855

20 January 1855  
Camp of the British  
in the Crimea.  
J.H.







With respect to the Ambulance Waggon at present in use  
in the Crimea in the British Army - they have been found too heavy  
for the roads and trails, and after somewhat use were <sup>rendered</sup> nearly  
inoperative - The two wheeled carts upset so frequently when tried  
in Bulgaria that only one was brought by Captain Grant  
the Quartermaster of the Ambulance Corps, and that has seldom  
been used. <sup>for the transport of the wounded</sup> It was found that the weight of the two wheeled  
cart was apt to throw the animal in the shafts down on  
descending hills - at least that was the complaint the  
drivers made - Some fault might, perhaps, attach to throwing  
as few of them were skilful drivers; but at all events the  
accidents were so numerous that the carts were seldom  
employed after the first trials - Both these carriages would  
answer well on good roads with powerful horses & skilful  
drivers, but on service where the roads are bad, and after  
rain deep as <sup>in the case</sup> in this part of the Crimea they do not answer  
We think a lighter carriage capable of conveying four men reclining &  
drawn by two horses, <sup>or fitted for to if necessary require them</sup> might be adopted, and a species of long,  
light car similar to the car used in Ireland & called Bianconi's  
car might be used with advantage - to carry sick or the lighter  
cases of wounded off the field <sup>in a sitting posture</sup> - The stretchers used in the present  
waggons are admirable, and from their construction facilitate  
the loading and unloading, but there is an objection on the part of some  
officers to men who packed away in the cat-cornet fashion on  
which the waggons are constructed

Which ever mode is adopted, and the Committee  
think it should not be exclusively confined to <sup>within</sup> ~~one~~, an ample  
provision ought to be made for the wants of the Service, that the  
misery the sick <sup>wounded</sup> have had to endure on the present campaign may  
not be perpetuated; but above all things the conveyance department  
ought to be organized on a totally different footing & a Corps  
united for that special purpose properly officered in whose hands  
the whole transport of the army ought to rest. On this point  
the Committee was divided in opinion - one party wishing  
the ambulance of the Medical Department to be managed by  
medical & ~~other~~ officers of the Service - The other thinking



it better for them not to be embarrassed with such details, but to obtain such transport, as fixed regulations, or casual antiquaries of the public service might from time to time require, from those bound to provide it, as is the case in the post service. The Committee think a certain portion of transport ought to be fixed for each Regt. Brigade, & Division, to contain the necessary Stores & Equipment on all occasions, and by having the conveyance department distinct it would tend to confine the carriages to the purposes for which they were intended, and prevent them <sup>from</sup> being overloaded with useless and extraneous packages - the number and weight of each package to be conveyed should be defined -

In the recruiting of the Corps proposed to be raised for the Ambulance, & General Conveyance of the Army - The Committee think more attention ought to be paid to Character, and knowledge of horses, than to height and age - and they would strongly recommend the present Ambulance Corps, be allowed to retire to the pension list, as from their age, & previous habits, the greater part of them have been <sup>agreed</sup> ~~disproved~~ <sup>that</sup> ~~totally~~ useless, and the whole Corps <sup>very</sup> inefficient.

The waggoners were sent out without horses - and with harness of size inapplicable to mules, or the horses of the country - there were neither wheelwrights, Saddlers, harness makers, nor farriers, not <sup>single</sup> ~~even~~ a man <sup>in the Corps</sup> that could shoe a horse - There was not a man that knew how to put the waggon together when they arrived, and the most trifling damage to any of them could not be repaired, so that some of the waggoners were useless from the commencement - and under the management of a party of men like the present Ambulance Corps no vigilance could keep <sup>on the part of the officers</sup> ~~an~~ the establishment efficient, as they are drunken and careless - neglect the animals & never clean the harness or carriages - and do not pay sufficient attention to the animals, carriages, & harness -

20 Jan. 1855



20 January 1855

Rough proceedings of a  
Committee of Medical  
Officers assembled for the  
purpose of taking into consider-  
ation the best means of  
Ambulance Conveyance  
for Sick and Wounded



G. O. B. - (annd)  
in chief

Proceedings of a Board of Medical Officers  
openly by order of His Excellency Lord Raglan  
2 - 6. to report upon the state of health of the  
Army - inquire into a report on the sanitary condition  
of the Army in camp before Sebastopol.

The Board having duly and carefully  
inspected, and inquired into the state of the Cadet's  
Hospital, and interior economy of the different Regt  
and Divisions of the British Army in the Crimea -  
with a view to report on the best means of removing  
any disease or abating whatever may appear  
prejudicial to the health of the Army - they to offer  
the following suggestions - for a Sept. 7 -

1<sup>st</sup> Diet & Water

& by the Commissary

This report upon the diet & water  
to the present month. In the place the biscuit & salt meat is not only  
but the hard one thrown away, but frequently sold to our allies for  
more. And in the winter spirits - which owing to the absence of any of Camp  
the Army is in for the winter, cannot be procured - this may be  
a great or salt water distributed to two courses: a distaste for drink  
or cleanliness, which may be for food, which often leads to illness. And the best  
remedy is to be known from the British & Russian for spirits -  
for a great or time - At the fresh meat is now regularly & daily issued to  
Cooking - this is all the hospitals - the supply to the Army generally.  
has undoubtedly is rather limited - but that rises in some cases. In some  
contracted in a great & Army then, and to afford what appears to be the  
measure to the fresh spirit of the spirits - viz. a sufficient variety of animal  
of variety. & determined to get the food - it is a commoner diet, if possible call  
the health of the Army 1<sup>st</sup> that these be substituted three times a week for  
Biscuit - that fresh meat be issued regularly.



at least three times a week. (alternated with X Batt must take  
X Batt) and a proportion of fresh or preserved on the P. 12  
Sept 1864. Daily - I am joined occasionally by a large the Prof 24 hours  
Dinner with. That Condiments such as pepper &  
Salt. he issued a part of the ration. and sometimes  
a Vinegar. he purchased by the bag. Beer or  
Porter while we are in our present position, might  
advantageously be substituted for half the ration of rum  
which when taken on an empty stomach, or in too  
frequently the case, excites the infirmities. - try to  
be issued <sup>alternately with Coffee or strength of spirit</sup> ~~seasonally~~ <sup>and called subject</sup> ~~or change to rice & flour~~

For whole duration appears to be paid to the Water Works.

which other limits, is allowed to run to waste, and from the absence of Forks a proper means of collecting is often charged with sand, or animal & vegetable impurities. It is therefore suggested that immediately after he takes to husband the water and digs wells in different directions before the summer season or the effects of a drought may be experienced. Referring to the water supply of the 3<sup>rd</sup> Division especially, it is recommended that the Fork No. 1 (nearest the spring) be channelled and reserved for the hot weather, the next or No 2. to be used for domestic purposes that a trough be constructed between 2 & 3 for watering horses. and that No 3 be appropriated to the purpose of ablution - as these Forks are all on different levels & fall into one another. this could be easily effected. At present there is great waste both of time & water. the labourer & sundry unfit by wearing clothes &c. -

2. The Banc have observed that the Hospital accommodation altho' very considerable consisting of Huts. Surgeons & Bell Huts to my

Regiment

Account letters  
for sick & well.



with scarcely more adequate to the comfortable  
accommodation of the sick in warm weather, and  
the avoidance of that degree of crowding, which  
may convert simple into infectious fevers, and  
therefore strongly urge that an unlimited amount  
of Hospital accommodation be placed at the  
disposal of the Sanitary Department: and that steps  
be taken without delay to have all the tents  
& ventilators in such a manner as to be adapted to  
any vicissitudes of climate <sup>temperature</sup> may be likely to  
experience: & that cannot be compared with by  
the men themselves - the plan of ventilation proposed is  
following. 3 wooden tubes 8 in square with cap  
18 long. 12 inches projecting outside 5 in. with a peak  
hanger covering. That holes be bored at the bottom  
of the down. and a vent hole placed over the fixed  
Windows. With a view to prevent unwholesome  
crowding. the accommodation of any tent for sick  
be limited to 18: in French Corps to 24: and  
that 24 be the maximum for those in health.

### Clothing.

That all superfluous worn clothing, such as sheep  
skins. Buffs &c &c. for caps - be discontinued  
the moment the weather will admit of it. such  
things harboring dirt & vermin. as well as being a  
source of propagating infectious diseases. it would be  
advisable to have them all collected into stores. and  
sent to Scotland or elsewhere to be thoroughly cleaned  
furnishing & purified. so as to be of any fit. for use  
if required. The urgent necessity of introducing some  
Regimental arrangements, throughout the army. for  
washing every clothes, both in & out of Hospital. is  
as obvious as to need as a common bath from the  
Barracks



sets of furniture left in my friends' things are left to  
themselves. in a common bed & return letter or dining  
clothes. it is ~~supposed~~ <sup>supposed</sup> expedient that steps be taken to get  
rid of all clothing & Blankets infected with vermin  
that the men of property have a change both of beds &  
clothes & and be Campbell's to appear at least once  
a week in clean undergarments & and daily personal  
showering & so on.

The locality of many of the Camps - appears Locality  
objectionable - from the immediate vicinity of houses  
containing deep animal remains. Superficially  
buried, and other impurities; but this the board  
is aware from the sanitary position taken up for  
the siege of the Fort, is to a great extent unavoidable  
but they consider it necessary to advise - that  
immediate steps be taken to cover all animal  
remains with an additional quantity of earth or  
lime or lime - and prevent the recurrence of any  
unpleasantness. As for one in a standing Camp. in  
which impurities <sup>must</sup> be collected. it becomes in the  
highest degree important. that the utmost cleanliness  
should be preserved in the Camps & their vicinity,  
that great attention be paid to the latrines which  
ought to be dug sufficiently deep. at least 4 ft. to admit  
of their being covered in with <sup>earth</sup> ~~and~~ daily. & for the purpose  
of desiccating - ashes & refuse charcoal or lime or  
lime should be frequently used. That the tents  
be hoisted. and not too crowded. the walls to  
be painted daily. & the inside well swept. The  
Tents should in fine weather at least once a week  
and the men Blankets and clothes frequently  
put out to air.

vide list of things

Duty &



Duty 2

The numerous nature of the duties performed by the ~~troop~~ in port. have attracted the attention of the Board. in last Sept the men proposing only one alternate night in bed - this has been considered by all the Medical Officers, as one of the principal causes of disease, and has been productive of great expense. in all men recently recovered from sickness; ~~this~~ <sup>it</sup> is a probable cause, account for the large number of sick & Convalescent in Camp. as well as the fatality of some diseases. expense being productive of incurable organic change. The Board obtain from offering any comments on this subject. being aware that the nature & amount of the duties, must depend on the strength of the Force. & the service to be performed. but think it necessary to point out. that the men when returned from the night work in the trenches. should not if possible be employed on fatigue. and be allowed if inclined, to sleep with day time.

General Remarks

C

Having devoted to the chief causes of sickness & the chief cause of sickness under the special ~~hence~~ laid down for their consideration. The Board ~~is concluding~~ <sup>is concluding</sup> by to ask the special attention of the authorities. to the burial of the dead particularly with reference to the depth of the graves. & their proximity to the Camps. they consider the depth should be at least 4 feet ~~do~~ cover with 2 feet of earth. and a portion of quick lime thrown in.

That in their opinion the site of the huts in campment. at present occupied by the Coldstream Guards is highly objectionable. 1<sup>st</sup> on account of the defilement resulting the huts being too crowded & the

at the end of Balaclava  
sub



too much space & the air being shut out by  
the rocks in view. 2<sup>d</sup> the point is almost entirely closed  
by the Stalls of the Transport Corps and the atmosphere  
tainted by the immediate proximity of a large Turkish  
burying ground in which the dead are superficially  
buried, or with the accumulation of filth at the base  
of the Harbour. Spoken of by the French having shown  
itself in the Regt. of Guards. the same are decided of  
opinion - the point alluded to should not be occupied  
by troops.

The Barracks further to the left  
to the valley on the opposite of the road. The encampment  
of the 71<sup>st</sup> Highlanders & Horse Artillery <sup>exactly</sup> must be  
rendered unhealthy by the large extent of an empty  
undrained ground. Within 100 yds. into which dead  
bodies have been thrown & allowed to remain, defiling  
the stream of water, that runs through it; this  
water is used by the troops in the vicinity. It is  
therefore suggested, that a large deep trench be dug  
the whole length of the valley <sup>from the Barracks to the Harbour</sup> for drainage.

The objection of the Barracks has been well  
to the state of the stream at the spring of the Gul.  
Respectful Balaklava - which requires sweeping  
and on the state of the soil, & the absence of water, renders  
it impossible to construct drains - for so large an  
establishment. It would be advisable to have  
small carts & Subs. to carry away all impurities  
daily. with paid labourers to perform the sweeping  
~~work~~ work.

In conclusion the Barracks are also  
in passing through the various Camps & roads  
leading to Balaklava - that dead bodies are  
still lying about, in some instances unburied.



in others & carry across - and by to take  
attention the circumstances, & being likely, to be  
production of disease. And that in order to stop  
to importations, such as the sale of spirits - & Camp  
surroundings. strongly is recommended that a special  
Camp Police be established - who be directed to  
exercise & through surveillance of the Boz and  
wholesome men Kadokari - complaints of which have  
been brought to the notice of the Board.



Rough copy of report  
of Board of Health  
assembled in the prison  
8 March 1855



Copy

Sanitary Condition

FB32/6

Proceedings of a Board of Medical  
Officers assembled, by order of Field  
Marshal Lord Raglan G. C. B.,  
Commanding in Chief, to enquire into  
and report on the sanitary condition  
of the Army encamped before Sebastopol.  
10 March 1855

Commenced on the 18<sup>th</sup>  
p.m. dated 11<sup>th</sup>

President D<sup>r</sup> Hall Asst<sup>t</sup> Genl of Hosp<sup>ts</sup>

Members—  
{ D<sup>r</sup> Linton D<sup>r</sup> Asst<sup>t</sup> Genl of Hosp<sup>ts</sup>  
D<sup>r</sup> Alexander do  
D<sup>r</sup> Macdonell do  
D<sup>r</sup> Hume 1<sup>st</sup> Class Staff Surgeon  
M<sup>r</sup> Roberts do  
D<sup>r</sup> Mowat do

The Board having duly and carefully  
inspected and enquired into the state of  
the Camp Hospitals and interior economy  
of the different Regiments and Divisions  
of the British Army in the Crimea beg  
to offer the following suggestions for adop-  
tion.

1 Diet and  
Water.

So far as the Board have been  
able to ascertain, the Rations at present  
furnished to the Troops by the Com-  
missariat appear ample, more than  
sufficient in quantity, and good in  
quality; indeed so far as the quantity  
is concerned, it is well known that a  
great waste of food takes place, the  
biscuit and salt meat is not only thrown  
away.



away but frequently sold to our allies  
for Spirits which, owing to the absence of  
any Camp Police cannot be prevented,  
this may be attributable to two causes -  
a distaste, or dislike for food which of-  
fers little variety and the well known  
penchant of the British Soldiers, for  
spirits. - Although fresh meat is now  
regularly, and daily issued to all the Hos-  
pitals the supply to the Troops gener-  
ally is rather limited, but this varies  
in some Regiments and Divisions.

This report refers to the present month,  
but the Board are aware that in the  
Winter the Troops were for too long a  
period on Salt rations exclusively, which  
sometimes were eaten half raw, or quite  
so, for want of adequate means of cooking.

This has undoubtedly contributed, in a  
great measure, to the <sup>immorality</sup> prevalence of Scurvy  
and deterioration of the health of the <sup>troops</sup> <sup>troops</sup>.

To remedy this and afford what appears to  
be the essential requisite, viz, a sufficient  
variety of animal, and vegetable food, it  
is recommended, if practicable, that Bread  
be substituted four times a week for Biscuit,  
that fresh meat be issued regularly, at least  
three times a week, alternating with salt,  
and that the salt meat be soaked - the  
Pork 12 and the Beef 24 hours - that a  
proportion of fresh, or preserved  
<sup>vegetables</sup>



vegetables, as well as Lime Juice, be given daily so long as Scurvy exists. That Condiments such as pepper and salt be issued as parts of the Ration and that Mustard and Vinegar be purchased by the Hospital - Beer or Porter, while the Army remains in its present position, might be advantageously substituted for half the Ration of rum, which, when taken on an empty stomach - as is too frequently the case - must be injurious - Tea to be issued alternately with Coffee, as recommended by a Special Board on that subject. on the 2<sup>nd</sup> Inst -

### Water -

Too little attention appears to be paid to the water, which, altho' limited, is allowed to run to waste, and, from the absence of Tanks or proper means of collecting is often charged with mud, or animal & vegetable impurities. It is therefore suggested that immediate steps be taken to husband the water and dig wells in different directions before the summer season, or the effects of a dearth may be experienced. Referring to the water supply of the 3<sup>rd</sup> Division especially, but the same principle applies to all <sup>other</sup> divisions, it is recommended that the Tank No 1, nearest the Spring - be cleansed and reserved for the hot weather; the next, or No 2, to be used for domestic purposes, that a trough be constructed between.



between Nos 2 & 3 for watering horses,  
and that No 3 be appropriated to  
the purposes of ablution; as these  
Sanks are all on different levels,  
and fall <sup>one</sup> into the ~~water~~ <sup>water</sup>. This arrangement  
~~can~~ <sup>can</sup> be easily effected. - at present  
there is great waste <sup>both</sup> of time and wa-  
ter, the latter is polluted and rendered  
unfit for use by washing clothes &c  
in the Sanks.

2<sup>nd</sup> The Board have observed that  
the Hospital accommodation, although  
very considerable, consisting of Huts,  
Marquees, and Bell Tents, for every  
Regiment, will scarcely prove adequate to  
the comfortable accommodation of the sick  
in warm weather, and the avoidance of  
that degree of crowding which may con-  
vert simple into infectious fevers, and,  
therefore, strongly urge that an unlim-  
ited amount of Hospital accommodation  
be placed at the disposal of the Medical  
Department; and that steps be taken,  
without delay, to have all the Huts ven-  
tilated in such a manner as to adapt  
them to any vicissitudes of climate, or  
temperature we may be likely to exper-  
ience and that cannot be tampered  
with by the men themselves -

The plan of ventilation proposed is as  
follows - 3 wooden tubes 8 inches square  
and 18 inches long to be inserted in the  
roof of each hut. 12 inches projecting outside.



and six inches <sup>p.2.</sup> up, with a pent house covering  
that holds he bared at the bottom of the <sup>FB92/6</sup>  
doors, and a ventilator placed over the  
fixed windows - With a view to prevent  
unwholesome crowding that the accom-  
modation of every hut for sick be lim-  
ited to 18, in Fever cases to even less,  
and that 24 be the maximum for  
those in health.

### Clothing.

That all superfluous warm clothing  
such as sheep skins, Buffalo robes, fur  
caps &c be discontinued the moment the  
weather will admit of it, such things har-  
boring dirt, and vermin, as well as being  
a medium of propagating infectious diseas-  
es, it would be advisable to have them  
all collected into Store, and sent to Con-  
stantinople, or elsewhere, to be thoroughly  
cleaned, fumigated, and purified, so as  
to be again fit for service if required,  
the urgent necessity of introducing some  
regimental arrangement throughout the  
Army for washing men's clothes both  
in, and out of Hospital, is so obvious  
as to need no recommendation from the  
Board. At present except in very few  
Regiments they are left to themselves. In  
recommending a return to the ordinary clo-  
thing it is requisite that steps be taken  
to get rid of all clothing and blankets  
infested with vermin, that the men, if  
possible, have a change both of boots,  
and clothes, and be compelled to appear  
at least once a week in clean under-  
garments, and that daily personal  
ablution be enforced.

### Camps.

The locality of many of the  
Camps appears objectionable from  
the



the immediate vicinity of ravines contain-  
ing dead animal remains, superficially  
buried, and other impurities, but this,  
the Board is aware, from the mili-  
tary position taken up for the siege  
of the Fortress, is, to a great extent,  
unavoidable. But they consider it  
necessary to advise that immediate  
steps be taken to cover all animal  
remains with an additional quantity of  
earth, as well as lime, and prevent  
the recurrence of any nuisances. As we  
are in a standing camp in which impu-  
rities must collect, it becomes in the high-  
est degree important that the utmost  
cleanliness should be preserved in the  
camps and their vicinity, that great  
attention be paid to the latrines, which  
ought to be dug sufficiently deep, at  
least 4 feet, to admit of their being covered  
in with earth daily and for that purpose  
of deodorising, ashes, and refuse char-  
coal, as well as lime, should be fre-  
quently used. That the men's tents be  
boarded, and not too crowded - the  
outer walls to be raised daily when the  
weather will, admit of it and in mar-  
queses the inside walls to be lowered as  
well. The Tents should be struck in  
fine weather at least once a week and  
the men's blankets and clothes ought  
to be frequently put out to air.

The onerous nature of the duties  
performed by the Troops in front,  
have

Duties.



have attracted the attention of the Board  
in most Regiments the men passing only  
every alternate night in bed - this has  
been considered by all the Medical Officers  
as one of the principal exciting causes  
of disease, and has been productive of  
frequent relapses in all men recently  
recovered from sickness - It in a great  
measure accounts for the large number of  
sick and convalescents in Camp as well  
as the fatality of some diseases - relapse  
being productive of incurable organic  
change. The Board abstain from offer-  
ing any comments on this subject be-  
ing aware that the nature and amount  
of the duties must depend on the strength  
of the Force and the service to be per-  
formed, but think it necessary to  
point out that the men returned from  
night work in the Trenches should not  
if possible be employed on fatigues, but  
be allowed, if so inclined, to sleep in the  
day time.

Having adverted <sup>to</sup> the chief predis-  
posing and exciting causes of sickness  
under the several heads laid down  
for their consideration. The Board  
beg to call the special attention of  
the Authorities to the burial of the  
dead particularly with reference to the  
depth of the graves and their contiguity  
to the Camp, they consider the depth of  
the graves should be at least 4 feet cov-  
ered with 2 feet of Earth and a portion  
of quick lime thrown in. That in their  
opinion



opinion the site of the huddled Encampments at present occupied by the Coldstream Guards is highly objectionable

1<sup>st</sup> on account of the deficient ventilation, the huts being crowded into too small a space, and the air being shut out by the rocks in rear. 2<sup>ndly</sup> the front is almost entirely closed by the Stables of the 1<sup>th</sup> Transport Corps, and the atmosphere tainted by the immediate proximity of a large Turkish burying ground in which the dead are superficially buried as well as <sup>the</sup> accumulated filth at the head of the Harbour. Spotted Typhus fever having shown itself in the Regiment of Guards the Board are decidedly of opinion the Huts alluded to should not be occupied by Troops.

The Board beg further to call attention to the Valley on the opposite side of the road. The Encampments of the 71<sup>st</sup> Highlanders, and Horse Artillery especially, <sup>must</sup> be rendered unhealthy by the large extent of marshy, undrained ground in their front into which dead horses have been thrown and allowed to remain, defiling the stream of water that runs through it. This water is used by the Troops in the vicinity. It is therefore suggested that a large deep trench be dug the whole length of the valley from Trade Cove to the head of the harbour.

The attention of the Board has  
been,



p. 3. FB 32/6  
been called to the state of the Latrines  
at the General Hospital Balaklava  
which require remedying, and as the state  
of the soil and absence of water render  
it impossible to construct privies for so  
large an Establishment, it would be ad-  
visable to have small carts and Subs  
to carry away all impurities daily,  
with paid laborers to perform this nec-  
essary work.

In conclusion the Board have  
observed in passing through the various  
camps and roads leading to Balaklava  
that dead horses are still lying about,  
in some instances unburied, in others  
scarcely covered - and beg to call atten-  
tion to the circumstance as being likely  
to be productive of disease, and ~~that in~~  
order to stop irregularities such as the  
sale of Spirits, and Camp nuisances they  
strongly recommend that an efficient  
Camp Police be established <sup>should</sup> who be di-  
rected to exercise a thorough surveillance  
of the Bazaar establishment near Kadie  
Koi - complaints of which have been  
brought to the notice of the Board.

L. Khan Esq. of the Staff. Secy.



Copy of Proceedings of  
Board of Health assem-  
bled in the Camp before  
Sebastopol 10 March  
1855, and adjourned  
from day to day until  
Completed -  
Rough notes of inquiries  
made daily  
March 24<sup>th</sup> 1855

, rough copy of report,



Observations on the state of the Camp - Hospital  
 & - Corby Wisconsin. March

Regiments.

4 Reg: Guards.  
 Camp.  
 Strength.

Food & drainage. Hospital accommodation 1 tent.  
 tubs - to each troop. Fresh meat 2 or 3 times  
 a week. Vegetables occasionally. Lime juice, apples  
 no pepper or salt supplies. no means of washing  
 men's clothes. salt meat soaked. Dead horses in  
 neighborhood. too superficially buried. no more  
 either offensive. men 228 nights in bed.

Hospital

Total sick 15. Hospital accommodation 2 tents.  
 1. half of. filled up as a Surgery. Fresh meat every  
 2- day. Lime juice occasionally. Vegetables & salt  
 Cask. but. built & covered. Latrine dug & filled in  
 known of abolition houses.

8<sup>th</sup> Regt.  
 Strength 203.  
 45 beds.

Camp. on side of hill. Accommodation 2 tents erected  
 in preparation. fresh meat. food. Fresh meat twice a week  
 vegetables daily. Lime juice occasionally. Cask of  
 built: means of abolition house. Latrine dug & filled  
 in. salt action as above. pepper & salt purchased  
 Water from - but distant

Hospital 8<sup>th</sup>

Total sick 6. Hospital accommodation 1 tent. 1 Surg.  
 tent, no abolition tent. Cask of but covered. Latrine  
 dug & filled in. Fresh meat every second day. from Ample  
 Vegetables & Lime juice occasionally. Water from -  
 no pepper or salt. men's clothes washed by hands.

13<sup>th</sup> Light Regt.  
 Strength 153.

Accommodation 2 tents. 1 in preparation. 1 tub.  
 Fresh meat & vegetables 3 times a week. Lime juice  
 ample. Cask. but built. Latrine dug & frequently filled  
 in. no pepper or salt. salt meat soaked. Butcher  
 for personal abolition

Hospital

Total Sick 11. Hospital accommodation 1 tent (wood's)  
 1 Morgue. 1 Surgery. no abolition tent. Fresh meat  
 nearly every day. Vegetables occasionally. Lime juice &  
 Latrine dug & filled in. a nuisance. of camp. Tub built holds  
 the bones of 13<sup>th</sup> & 8<sup>th</sup> Regt. from the hands. & Regt  
 arranged for washing men's clothes. Water sufficient



Camp at the base of a hill. In. Subur.  
H. Wooden houses. (Ventilates.) Fresh meat twice  
a week. Vegetables & Lime juice occasionally.

11<sup>th</sup> Hesperon  
Camp

Cook & Butch. supplied by troops. Latrine dug  
& frequently filled in. Water for food plentiful;  
pepper & salt purchased. no Camp nuisance -  
Sick present 9. Hospital accommodates 1 Butch  
2 Fruits. Fresh meat every day. Vegetables  
& Lime juice occasionally. Cook & Butch. Latrine  
dug & carefully filled in. personal ablutions washing  
boilers. men's clothes. none - no nuisance.

Reported

Strength 148. Camp on the side of a hill & drains  
Fresh meat seldom. Vegetables occasionally. Lime  
juice 8. Cook & Butch. supplied by troops.

11<sup>th</sup> Light Dragoons  
148. Butch

Latrine dug & filled in often - Water for food & pepper  
& salt purchased by cargo. men's clothes. washing  
men's clothes. no Camp nuisance.

Sick sick 15. Hospital accommodates 1 Butch  
1 Surgeon. 1 Surg. & 1 Butch. no ablutions. Fresh  
meat daily. Vegetables & Lime juice plenty. Water for  
meat & washing. Butch. supplied. no overburden for  
washing men's clothes. no pepper or salt from Paraguay.  
Latrine dug and filled in. no Camp nuisance

Hospital 4<sup>th</sup> D.

Camp: on the side of a hill. H. Butch for men  
drained & ventilates. Fresh meat twice a week  
Palates & Lime juice occasionally. Campfire.  
want of Butch. those sent out too small. Cook & Butch  
supplied by troops. Water plentiful. Salt & pepper  
none. Salt meat as usual. Washing by women.

5<sup>th</sup> D. G. - 175  
Camp.

Sick sick 13. Hospital accommodates 1 Butch  
1 Butch. 1 Surg. no ablutions. Fresh meat daily.  
Vegetables & Lime juice occasionally. Cook & Butch  
supplied. Latrine dug & filled in. men's personal  
ablutions. Boilers & buckets. pepper & salt supplied.  
no nuisance complained of -

Reported



2<sup>nd</sup> Royal Aragon  
Camp.  
Strength

Hospital.

2<sup>nd</sup> D. G. Scott's  
Strength 187.  
Camp.

Hospital.  
2. D. G.

17<sup>th</sup> Lancas  
Strength 148

Hospital.

Camp. as note entered - too near valley.

Men 8000 - 4 Bats. Ventilation. Fresh meat  
times & looks. Vegetables occasionally. Some juice  
apple. - Between day & night in - Cook & Butch.  
Cook by Camp. - pepper & salt purchased

Total sick 14. Hospital accommodation 1. Bat.  
1 Surg. Tent. no ventilation. Fresh meat every day  
day. - no vegetables. Some juice occasionally. Cook &  
Butch. - Between day & night in daily - means of  
allotment 1 Bat. & Bakers. Water for - pepper &  
salt from purveyors - no messengers -

Structures on the side of a hill: formerly a vineyard.  
and drained up for it - 4 Bats for men. Fresh meat  
daily. Vegetables occasionally. Some juice & Cook  
Butch. - Between day & night but the men with habit  
of constant messengers. Show the Camp - ~~to~~ as  
Regt. mess of washed men clothes & personal articles  
by Regt. - Water for -

Total sick 27. Hospital accommodation 2 Bats.  
1 Surg. Tent. no ventilation. Fresh meat every day  
day. Vegetables occasionally. Some juice plenty.  
Cook - Butch. - Between day & night in daily.  
Water for - no washing arrangements. no messengers  
complaints of

Camp. built on a hill. over Ka-dokai. a fine  
good soil. Men 8000 - Fresh meat twice a week  
Vegetables times. Some juice daily. pepper & salt purchased.  
No Regt. arrangement for washing - but they are shipped to  
open & clean shirts once a week. - Between day & night in  
Cook - Butch. Cook by Regt. - no messengers -

Total sick 9. Hospital accommodation 1. Bat.  
1 Stone Tent. no ventilation. (2 houses for washing)  
Fresh meat for Hospital every second day. Vegetables  
occasionally. Some juice daily. Some juice &  
Between day & night in - no arrangement for washed  
men clothes - no messengers



men killed. But not tented. Hospital  
accommodation 2 Huts. Surgery in one. no ablation  
Fresh meat 3 times a week. Vegetables occasionally  
Lime juice plenty. no means of ablation provided  
except a salt. or a lotion. Turkish Bazaar Camp &  
as a measure. - situation of Hospital too  
near salt house. & the house is in  
unpleasant -

W. F. Barker  
Strength. 200

Camp & Hospital  
together. - some  
work apply.

J. F. Barker  
Strength 111.

Sept 21st 7. Hosp. accommodation 1 Hut.  
not tented. Fresh meat daily. Vegetables & lime juice  
occasionally. Fresh ablation. Turkish Camp & Bazaar daily.  
Lime juice. But not tented.

Camp. & Huts. 1 Hut. - nothing particular to note - Camp -

1/2 Day Camps back situated on the slopes. Hill.  
men killed. no Camps. of any kind -

W. F. Barker  
Strength 200.

Hospital Sept 21st 18: 1 Hut. 1 Surgery. 1 ablation  
Fresh meat daily. Vegetables occasionally. Lime juice  
plenty. Lime juice. means of ablation. 1 Bazaar 1 Hut.  
Salt meat & other - no measures -

Hospital

Remarks - The Cavalry are generally healthy & the  
men look well. but their duties & lines at stations  
same. particularly in winter. which keeps them exposed  
early in day. but they have 34 strength in hand.

The dead horses in the Valley are too superfluously  
buried & the hot weather may prove a source of  
dangerous emanation. it would be desirable to apply  
the same & particularly the sick with fresh meat  
instead of Pin cure. and from the quantity of salt meat  
wasted & thrown away. it becomes a question of saving  
some skin & bones for supplying the men  
with food. what they will eat can be made -



Nov 10<sup>th</sup> 1855. FB32/7

Memorandum for the formation of a report  
on the sanitary condition of Regt. Hospital & Camp.  
Regiments. 2<sup>nd</sup> Division.

1<sup>st</sup> Regt. Ar.

No of sick actually under treatment. 69. Hospital  
accommodation. 2 Huts. 2 Surgeons. each Hut to  
contain 18. each Surgeon 12. remainder of sick in  
Camp. On Hut ventilation by half plank on hinges -  
1 Surg<sup>l</sup> Tent. 1 Barr H<sup>l</sup> 12 ft or less.

Abilities.

1 Bldg Tent. 2 Huts. 12 ft in barron. A & B. Cent  
left on home ship. Fuel must be supplied daily

No special deficiency in camp. Dinner for 120 men. 2 Bst Poney. 200 lbs  
for the work imposed. Blanket & B<sup>l</sup> Rols again  
changing. Routine Camp of 100. no nuisance -  
no pepper or salt.

50<sup>th</sup> Regt.

Moving into Hut. Total sick 153. actually in Hospital 56. remainder  
in Camp. Hospital accommodation. 3 Huts. & 2  
Surgeons. 18 sick to each Hut & 16 to each Surgeon  
for ventilation as yet no left hand & windows. 1 Surg<sup>l</sup>  
Tent. 1 Tent. Barron home. A & B. Cent left on  
home ship. Saturday day in Routine. no time. 10  
from 5. insuff<sup>y</sup>. Fuel must be supplied daily. Hospital  
def<sup>y</sup> but not supplied for. no pepper or salt.  
supplies.

28<sup>th</sup> Regt.

Total sick 109. all in Hosp. - Hosp accommodation  
1 Hut 2 Surgeons. each cont<sup>y</sup> 18 sick. remainder of  
sick in H. Bldg Tent. - present preparation of sick. 120  
of 1000. Hut & ventilation by holes. 1 Surg<sup>l</sup> Tent.  
1 abilities Tent. 1 Tent. 4. Barr 12. A & B. Cent left  
on home ship. Fuel deficient for cooking. (100 lbs suff<sup>y</sup>)  
Dinner for 3 times this month. 2 B. Tent. 120 lbs  
1 Tent. 120 lbs. Routine Camp of 100. no nuisance.  
2 Huts for all kinds of fuel. no pepper or salt.



No. actually sick in Hospital 97. Hosp. accom: 18<sup>th</sup> Regt.  
 3 Huts - 1 actually occupied & ready for occupation. This Regt. moving into  
 2 Hangers - 1 incomplete. 20 to each Hut 2 Hangers also Huts.  
 occupied. Remains in Bk. Tent. for ventilation  
 except door & windows. 1 Surg. Tent. for sanitation  
 no tubs. Fuel burnt by other day. By doctor's order. apply for  
 no regular made lotion. even use the Quinine.  
 Cooking Huts in light.

44 Regt.

Total sick 107. actually under treatment. 18 apt  
 accommodation 1 Hut. 1 Hanger. 1 Bk. Tent.  
 H. 22. No. 18. B-7. 6 each. Remains in Camp  
 Lotion day. 2 reg. 2 in. Cook House. muffled -  
 Surg. Tent 1. sanitation house - Working tub 3.  
 Buns some. Quinine mixture. By doctor's order  
 burnt 3 or 4 times a week. 6 times. Fuel for  
 Cooking inadequate - Cooking Huts good.

24 Regt.

Total Sick 119. H<sup>l</sup> accommodation 1 Hut 2 Hangers  
 in Bk. Tent. Remains of sick in Camp. 1 Surg. Tent  
 for sanitation Tent. in there 2. Fuel burnt by doctor's  
 early reg. day. By doctor's order. Fuel charcoal burnt  
 in Trussard. By Lt. Col. Quinine & mixture  
 Cooking Huts good & fit in all weather. no  
 paper or salt.

9<sup>th</sup> Regt.

Total sick 65 - Hosp. accommodation 1 Hut  
 2 Hangers. 1 Bk. Tent. 1 Surg. Tent. for sanitation  
 Tent - Cook House good. Fuel burnt by doctor's order. By Lt. Col. Quinine & mixture  
 early reg. day. Fuel for soap. By Lt. Col. Quinine & mixture  
 Lotion day. Quinine mixture - City. this applies for



Ag<sup>o</sup> Thyl

Total sick 68. in Camp Command J -  
 Hosp. accommodation. 2 Huts - 2 Kitchens - S.B.  
 Tent - 1 Allotment Tent. 1 Dining Tent. 1 R. House.  
 1 orderly Tent. - Cook House for 2. Fuel bucket  
 & toilettes every 2nd day. Fuel supply. Kist ash  
 ventilator. Latrine dug. A & B Cisterns. Sinks.  
 & pepper salt.

382 R/

Left home.

Latit sick 151. Hoof accommodation 3 knots.  
1 knapsack .5 B. Tent. 1 Saddle & Lark accommodation  
or horse shoes - lotus not yet made - for 1 horse &  
Carry one of my hands. Cook to Hart building.  
Fuel inadequate. C.P.D. & Berpau - not enough.  
Fuel must be by other means only. for 1 horse  
or 2. Berpau & Lark not enough. Continue to  
Larkins.

Remarks.

Water supply - A large supply of pure water supply is known below the bottom of Province from the higher state of the Lake or reservoir: fresh water. &c.

From g. low type  
appear to have settled  
chiefly in this country.  
the Hospital of which  
are rather common.  
but many are being  
often to remove them  
by giving new Hospital  
at some distance.  
should this form of  
From continues to grow  
after the disease has been removed



Chowchoo - & when he daily throw into the  
Lettins for deadoring is - & that the Rooms in  
the vicinity of the Fort - & Dining - he thinks  
clean & any further improvements - as  
the quarters for them seem on very offensive  
& when the wind blows from East of the Fort  
highly dangerous & prejudicial -

As business across the Forts - ought to be  
allowed - neighbors of Hospitals - as sufficient  
clean - Blankets etc - ought to be sent to the  
Commandant - ought to be supplied for Regt. Hqs -  
for Purvey - for daily from water drawn in  
from Tanks - have been to be inspected & kept  
by Med. Officer daily - & any defect in quality or  
condition reported - Hospitals ought to be supplied  
with proper means of fetching water, within little  
labour as possible - Med. Officer complains that  
the means adopted - do not prevent the sale of spirits  
within Province - & that drunkenness is common - Salt  
break not generally or does in this Division -

As. Return of Field Bakery.

Medical Officer absent.

Sept 21. Hospital Accommodation  
1 Sub. no deficiency supply of -

it might be expected  
to remove as many  
of the Hospitals as  
possible - to secure  
other site. and to  
abolish the use of  
Buffaloe Ropes & such  
articles of clothing as  
sheep skin &c. which  
may retain & foster  
Tubercles - some of  
the Huts in this  
Division are ventilated  
but upon no prin-  
ciple - A. B  
Contrary deficient in  
ventilation.



Regiment 30<sup>th</sup> Observations on the state of the Camp, Hospital  
Strength 390. & of the 2<sup>nd</sup> Division. March. 1855.

Hospital. Total Sick 105. Hosp. accommodation 2 Huts.  
Huts rather crowded. 6 Bed Sacks. 1 Surg. 1 Stryker. Fresh meat and  
Vegetables nearly daily (30 lbs) Lime juice supplied.  
Potatoes. Cask of Best Corn? - Sugar 6 Sacks. no  
pepper or salt. 7 Hosp. or desks have been almost  
with the French, sickness attributed to overwork. Men  
are right in bed.

Camp 30<sup>th</sup> Regt. No. of Sacks. 40 - orange in each S. Fresh vegetables  
supplied. Sacks provided. twice a week - Vegetables. Potatoes & various occasionally  
means of abatement, none except water from the Rivers  
& distance of a mile - Cask of Best Corn? - Cask in  
Stryker's bag & fill in - Personal abatement of  
men & tubs, no camp nuisances.

41<sup>st</sup> Regiment. Total sick 143, 105 in Hospital. Accommodation  
Hospital 2 Huts. 1 Surgeon. 5 Bed Sacks. 1 Surg.  
Huts too crowded - 1 abatement 1 Store: Fresh meat daily. Vegetables  
24 in one 2 1/2 in another occasionally & Lime juice. Cask of Best Corn? -  
no abatement - Stryker's bag & frequently fill in - Fresh meat & charcoal.  
French provisions & extend to Hosp. or desks & change  
of whom & two Hosp. Sacks have been almost 100 lbs.  
Camp 41<sup>st</sup>. Camp. much too small. Best Corn & water  
Sacks must accumulate in men Sacks.

47<sup>th</sup> Regiment. Total sick 76. Hosp. accommodation 3 Huts.  
Hospital 1 Surgeon. 8 Bed Sacks. 1 p. Surg. 1 Bed Comfort  
Huts regulated 1 abatement, 1 Store, 1 or desks. Fresh meat & Vegetables  
24 in each. daily. Lime juice occasionally. Cask of Best Corn? -  
Potatoes. Stryker's bag. no pepper or salt.  
Camp 47<sup>th</sup>. Camp, poor & drained. rather crowded.  
Sacks provided. men are right in bed. no  
arrangement for washing.



Told Dick 103. Hops - Accommodation.  
3 Hats - 4 Suits. 1 Suit of Clothes. 4 g<sup>d</sup> Boots  
1 Stone - Fresh made nearly every day - Vegetables  
2 Limejuice plenty. Cooked Potatoes. Corn & Lentils rather cranked & peeled -  
dried - corn? is daily. Hops - or drier, & certainly more better often reported as very  
with French. Ref. arrangements for working men, nice or low.  
Clothes - Suits - no peppers. It has been so - 94

Camp 49

Camp. pm 2 & drained. but too crumpled.  
Stalls too close to fence. & light in bed  
as pepper or salt from bed - in fence.

Felt sick 1st. Hopt<sup>l</sup> accommodation 2 beds 55<sup>th</sup> Ryman.  
 Morgue. 8 Bed tents 1 Sun? Tent. 1 Stone Hospital.  
 1 Latrine dug 2 Cor 2 iron wire. Tent. Tent back tents not ventilates  
 daily - vegetables & lime juice occasionally. Cost 1 24 men in each -  
 Tent Cor 2i - in paper & salt. no common cloth  
 Hospital.

Camp. Fully pro- pro- & drained. Lark 55- Camp.  
Spain - no complaint - kept 2 fresh meat & 2  
as one for washing.

Fatal sick 117. mostly trifling cases. Hosp' around 62: Dept  
3 huts. 1 Dispensary. 4 Bile huts. 1 F.O. for Surg? Hospital.  
1 abolition 1 orderlies. Fresh meat daily. Lime juice Huts covered 24  
Lapetables occasionally. Cook S. Hut for O - Litter day in each -- Litter of  
Fuel boxes & shovels. Water for s. 4 Hosp' orderlies home 24. too close to hosp  
contracted fever in Hosp.

Camp D.C.

Camp - poor & drained by rats. sent for  
salt meat & salt. no pepper salt. - Vegetables  
& fresh meat there & there. no Post-arrangement  
for fresh meat & salt. no camp insurance.



95<sup>th</sup> Regiment.

Hospital:

Kids too come  
24 in each. more  
Kids to be fed.

Camp 95<sup>th</sup> Regt.

Total Sick 127. Hosp<sup>l</sup> accommodation. 3 tents  
1 Barrack. 1 Surg<sup>y</sup> no shelter. 2 orderly tents.

Food except lettuce under. Tent. Food meat daily. Potatoes & Lima juice occasionally. Cakes & butter for no pepper & salt supplied. Water for no. From outside - to Hosp<sup>l</sup> - abundant. 5 or 6 or 10 in 2 hours. Officers attack C. - men very 22 night in line.

Camp For 24 drained - Tent for no. Cakes & butter. Food meat 2 times a week. Potatoes & Lima juice occasionally. no pepper or salt. no means of washing clothes.

Royal Artillery -

G. B. B. B.

Hosp<sup>l</sup> -

Kids' abundance by  
Tent) Camp.

Total sick 20. Hosp<sup>l</sup> Accommodation 1 tent 2 tents  
1 Surg<sup>y</sup> no shelter. Food meat daily. Potatoes & Lima juice occasionally. Cakes & butter for no. Lettuce dry.

Water for no. no pepper or salt.

Many Tent for no. Camp & Hospital & particularly  
the new Barrack - which is full of dead animals  
buried in the winter - duty abundant. very much to be

B. B. B.

Tents do. & warm. Camp extremely drained.  
Food meat very scarce dry. Potatoes & Lima juice  
occasionally. Cakes & butter. Lettuce dry. Water  
for no.

Hospital

accommodation

Lima juice thought  
to produce Cionca

Total sick 20. Hosp<sup>l</sup> accommodation 1 tent  
1 Surg<sup>y</sup> no shelter. Food meat daily. Potatoes  
& Lima juice occasionally. Water for no. Cakes & butter  
- Lettuce dry. - no prov<sup>l</sup> for provisions: no  
pepper or salt. Water for no.



Remarks &c. - A few dead <sup>Sight only</sup> ~~found~~  
presents in this Division - chiefly French - apparently  
springing an infectious character - as both Hospital  
and dressing Medical Officers have been attacked  
in the Regt in which it is most prevalent -  
The Camps - more particularly the 21<sup>st</sup> & 24<sup>th</sup>  
are much concerned - the 21<sup>st</sup> after introducing &  
the curtains <sup>to</sup> close to camp - as a general rule  
all the Hospital Bats are much concerned - some  
containing as many as 27 and most others 24 Patients.  
There appears to be in Regimental arrangement for  
washing even personal or Hospital clothes -  
and further paper or salt-water supplied -  
with fresh water - It would be advisable to have  
open space outside - place of the disposal of  
Regimental Surplus or Staff Surplus of Drains - in  
order to relieve the Bats when too crowded and  
to enable Medical Officers to make the necessary  
arrangements to meet any sudden coming on, such  
as a general action or attack. The men appear to be  
overworked - having seldom more than one night  
in bed - The Camps - and more particularly the  
Hospital after B. Baking. R. A. is pitched too  
close to the Russian - which is full of dead animal  
remains - buried in the winter. The Hospital after  
B. Baking - has no fresh supply - and Medical  
Officers find it in some instances found it almost  
impossible to carry the Hospital <sup>patients</sup> with patients to  
the sick - with the small number of orderlies  
allowed by Regulations -



P. 4.  
March 13<sup>th</sup> 1855

FBS2/7

Regiments

Memoranda for the formation of. Report on  
the Sanitary Condition of the Hospitals & Camp  
Light Division.

7<sup>th</sup> Cavalry. Total sick 56. Hospital accommodation 2 Huts (Cooks  
Hospital. 18 each) 1 Surgeon. 2 Orderlies. 1 Day & Night. 1 Ablution  
Hut and Ventilate. Fresh meat daily. Lime juice supplied. Pepper salt.  
(recently from Pharmacy). Latrine dug. Cask of Pot. from  
Water source independent from rest of hospital. Measure of  
Ablution 2 fathoms. No Regt. arrangement for washing dress  
clothes in Hospital. Fuel score. Chopped & Wood.

Camp 7<sup>th</sup>. Well situated dry & sunny. 12 Huts for men, 5 Huts for  
month. Cask of Pot. from one for each Company. Fuel cost  
none this month. Lime juice none lately. No Regt. arrangement for  
washing. Salt supplied. Pepper none. Night in  
bed - one.

34<sup>th</sup> Regiment. Total sick 65. Hosp. accommodation 3 Huts. One  
Hospital Surgeon. 1 Day & Night. No Ablution. No dressing  
average daily sick. Fresh meat daily. Lime juice supplied. Cask of Pot.  
1<sup>st</sup> to 13 inclusive 60% from 2 in. Fuel cost & chopped. Water from  
No death Salt & pepper (recently). Dressing in Routine.  
recently removed.

Camp. 34<sup>th</sup>. Poor & 2 Drains. Cask of Pot. independent and  
too close to Huts. Fresh meat 4 or 5 times this  
month. Fuel score. & difficult to procure for work of  
sick. Water from. Night in bed one. Salt  
& pepper. Not regularly provided.

33<sup>rd</sup> Regt.  
Camp

Camp. poor & drained. 6 Huts with for men  
Fuel cost 4 times this month. No Ablution. Pot.  
& Cask from for each Company. Lime juice none  
lately. Fuel none score. Water from. None  
one night in bed. Salt. but no pepper.



Hospital. Total sick 37. Hosp<sup>l</sup> accommodation 2 Huts 33<sup>rd</sup> Regt. Cont.  
1 Surgeon. 1 Surg<sup>t</sup> Tent. 1 Ablution. 1 Cook House. 1 Store Hospital  
Fresh meat daily. Syph<sup>l</sup> occasionally. Lime juice suff<sup>t</sup>  
Latern day. Cook House pro. - men clothes washed  
by Camp<sup>t</sup> to which he belongs. Tent for personal attention  
Pepper & salt scanty - Fuel choiced. - men states to  
be too superficially buried.

Hosp<sup>l</sup> Total sick. 53. Hosp<sup>l</sup> accommodation. 23<sup>rd</sup> Fusiliers.  
2 Huts 1 Surgeon. 1 Surg<sup>t</sup> Tent. 1 Store. 1 Ablution Hospital.  
Fresh meat daily 1/2 pound - Lime juice ample. Huts within Regt  
Cook House built - Latrine day. ash co<sup>r</sup> - Fuel No white washes available  
suff<sup>t</sup>. Water for drinking & Pepper & salt but not suff<sup>t</sup>.

Camp. drains & pro. Fresh meat 4 or 5 times this month 23<sup>rd</sup> Camp  
built. Syph<sup>l</sup> occasionally. Cook H. Wash pro. Tent  
pro. 1 Hut for men. 1 H<sup>l</sup> for Officers.  
Latrine day. nights in huts 1 - Fuel scarce - men  
& carts. Water pro. - men in Rome states to  
be offensive. & spirits sold in Camp or near by French.  
Pepper & salt. not suff<sup>t</sup>.

Total sick 50. Hosp<sup>l</sup> accommodation 1 Tent 1 Surgeon 19<sup>th</sup> Regt.  
2 Bule Tents. 1 Surg<sup>t</sup>. 1 Abl<sup>l</sup>. 1 Store 1 orderly. Hospital.  
Fresh meat 1/2 lb. daily. Syph<sup>l</sup> occasionally. Cook H. & Hosp<sup>l</sup> too close.  
Hut pro. Lime juice suff<sup>t</sup>. Latrine day. ash co<sup>r</sup> - 2 ash  
co<sup>r</sup> - Pepper & salt from Paraguay. Fuel choiced Water rather  
poor but distast. - no men washing men clothes

Camp. Por<sup>l</sup> & drains. 1 Hut. Tents in Spain 19<sup>th</sup> Regt Camp  
Fuel burnt 4 or 5 times this month. Lime juice  
none. Syph<sup>l</sup> occasionally. Latrine day. Cook H  
not good. no man washing men clothes. men buried  
in Rome too superficially. away anyone  
nights 2. but 1 -



77<sup>th</sup> Regt

Camp

Regt. Huts - 10 Wooden houses. Camp drained and  
pri's. Fuel best twice or three times a week. Cash & done  
by Camp. Not for - Tent serviceable. floor some  
solid - Water for. Fuel from Schermann - One night  
in bed

77<sup>th</sup> Hospital.  
Huts and ventilates

Total sick 74. Hosp<sup>l</sup> accom<sup>d</sup> 2 Huts (18 each)  
2 Surgeons. 1 Surg<sup>y</sup>. Tent. 1 Quon<sup>s</sup>. 1 Ablution  
Cash & done for. Latrine dug. Fresh meat daily  
Lime juice suppl<sup>d</sup>. No means of washing dress clothes.  
Pepper & salt suppl<sup>d</sup> 2 Water for. Fresh chlorine  
& more...

90<sup>th</sup> L. I. {  
Hospital}

Total sick 56. Hosp<sup>l</sup> accom<sup>d</sup> 2 Huts. 1  
Surgeon. 1 Surg<sup>y</sup>. Tent. 1 Quon<sup>s</sup>. 1 Ablution  
Fresh meat daily & by double acc<sup>o</sup>. usually. Lime  
juice suppl<sup>d</sup>. Latrine dug. Cash & done built & cov<sup>d</sup>  
in. Tent meat regularly & also. Water for. 2  
nights in bed. No means of washing dress, personal  
linen. 2 Huts 3 hours & Ablution. (personal)

90<sup>th</sup> L. I.

Camp

- Camp. pri's & drains. Tent not broken. Latrine  
dug. Ventilates made & cov<sup>d</sup> in. Fresh meat & Regt.  
2 or 3 times a week. Fuel from Schermann.

97<sup>th</sup> Regt

Hosp<sup>l</sup>.

Total Sick 71. Hosp<sup>l</sup> accom<sup>d</sup> 2 Huts 2 Surgeons. 1 Surg<sup>y</sup>  
Tent. 1 Ablution. Fresh meat daily, by double & Lime juice  
Huts two crumblers occasionally. Cash & done built & cov<sup>d</sup>. Fuel some & chlorine  
Water for. Spring - Graine. Latrine dug & cov<sup>d</sup>.

97<sup>th</sup> Camp -

- Nothing. particular. 8 Huts built.  
One night in bed -

Surgeons & men.  
Hosp<sup>l</sup>

Total sick 18. Hosp<sup>l</sup> accom<sup>d</sup> 1 Hut 1. Surgeon  
1 Surg<sup>y</sup>. Tent. 1 Ablution. Fresh meat daily & by double  
Latrine dug. Pepper & salt inner. Lime juice.  
Water for. 324 nights in bed. Nothing  
particular about Camp. Fuel some & chlorine.



Total sick 40. Hosp<sup>l</sup> accounted 10 but 2 Surgeons  
 1 Surge<sup>n</sup> 1 Tent. 1 Ablution 1 Stone 1 orderlies Fresh Meat. High. Mij<sup>re</sup> 2 V<sup>l</sup> B<sup>st</sup>.  
 daily. Some juice, sup<sup>t</sup> 2 L<sup>it</sup>er day 2 cor 2 in p<sup>er</sup>g<sup>u</sup>th  
 Cook<sup>s</sup> but burnt cor 2 in salt but no pepper. Fuel  
 charcoal -

Camp. nothing particular of K<sup>u</sup>ts.  
 Fresh meat 4 or 5 times - one night in the

Hosp<sup>l</sup>.

Camp,

Artillery

Ge. & B. 4 B

Total sick 11. Hosp<sup>l</sup> accounted 1. But. 1 Surg<sup>n</sup>  
 Tent no ablution. Fresh meat daily. Tepid? 2 Juice  
 juice occasionally. Water too. L<sup>it</sup>er day. no  
 known of washing clothes - paper & salt none.

Camp. nothing particular Tent for -

Hosp<sup>l</sup>.

Total sick 13. Hosp<sup>l</sup> accommodation 1 But. no F. D. M<sup>ary</sup>.  
 hard or tepid. Fresh meat daily vegetables & Juice  
 juice occasionally. L<sup>it</sup>er day. no ablution Tent.  
 Hosp<sup>l</sup> Surgeon appropriated by. C. & P. Store.  
 Water for. but distant. = Camp nothing particular.

### Remarks &c.

There appears to be a good deal of attention paid to health  
 & comfort of the men in their quarters. Most of the Reg<sup>t</sup> or  
 B<sup>st</sup> & the Camp. den. are drawn & poor.  
 Reg<sup>t</sup> is in poor order & not overmanned with but  
 moderate - health of men improved - no general system of  
 sanitation introduced or means of husbanding the  
 water for the purposes which were intended. The dead  
 are said to be too superficially buried & likely to  
 prove a source of deterioration & nuisance. Paper &  
 salt in some Reg<sup>t</sup> but not generally. Spirits are  
 said to be sold in Camp. by the French. Some  
 general system of washing men's clothes necessary  
 to be adopted. Duty still too severe. Most Reg<sup>t</sup> only  
 1 night in the - Some of the Reg<sup>t</sup> are white washed  
 it would be advisable to introduce this into the whole

all over our side. Barracks &c. to this <sup>one</sup> part  
 returns in the opposite state - for duty. Consequently the  
 amount of duty - falls heavy on the and only men



March 11<sup>th</sup> Memoranda. 4<sup>th</sup> Division.

Regiments

17<sup>th</sup> - Hospital

Sold sick 108. - Hosp<sup>l</sup> around 3 <sup>not mutilated</sup> Huts.  
 1 Surg<sup>y</sup> Tent. No alterations Tent. Means of ablat<sup>n</sup>  
 2 large Tubs. 3 made. no boxes. Fresh meat  
 and vegetables. almost daily. Hyg<sup>e</sup> arrangements  
 for washing in progress. Since June, plentiful  
 lime cocktail sent. Latrine dug & covered but too  
 close. a collection of rubbish near Hospital

Camp 7<sup>th</sup> Regiment.

Fresh water from line issued into Reg<sup>t</sup> nearly  
 every second day this month. - last month about  
 16 times. No pepper or salt provided. Tent  
 work done. Latrine dug & work put in. Cook  
 house put in & covered in. Orange grove in Camp by  
 French soldiers. Fuel scanty. What horses used  
 for unloading. Camp exposed to distance & water  
 from. poor spring. Tent in pretty good order.  
 No of nights in huts 2. Since June dep<sup>t</sup> sent.  
 Camp clean & drained.

Camp 57<sup>th</sup> Reg<sup>t</sup>

Tent in good order. mostly broken. 2 or 3 nights  
 in huts. a few Cook Huts. covered in. Fresh meat  
 & vegetables every third day this month. - last month  
 3 or 4 times. Salt & pepper provided by pay. Sergeants.  
 No of nights in huts. 2 or 3.

Hospital

Huts not mutilated.

Sold sick 55. Hosp<sup>l</sup> around 3. Huts 2 large.  
 1 Surg<sup>y</sup> Tent. no alterations. Fresh meat daily &  
 lime juice. Latrine dug & covered in. Comm<sup>l</sup> with  
 Naughton done. rather close (-70 yards).

21<sup>st</sup> Fusiliers (Reg<sup>t</sup>)

Tent pretty good. all broken but 7. - 9 men in  
 each Tent. Fresh meat & vegetables every second day.  
 this month. - nearly last month. Salt & pepper not provided.  
 Lime juice regularly. Latrine dug & covered in. Fuel  
 supplied from B. & M. Co. Cook of Huts. huts & covered in  
 nights in huts.

E. Owen



Total sick. 127. Hospital accommodation 3 beds. Hospital.  
 1 Surg. 3. Bed. Suits, 1 for Surg. 1 Hospital Surg.  
 1 orderly. 1 Ablution. Cook House. from. care in  
 Lateral dug. Fresh meat & vegetables every day.  
 Hospital two convales.

Same Suits unserviceable. Fresh meat seldom. 20. Regt. Camp  
 Vegetables occasionally. - Juice juice regular until  
 Lateral dug. Care in. Then about 2 nights  
 in the. Fresh. (Horse & cart. 1 score. - some supply  
 Cook. 1. 1st for. Salt supplied. no pepper. no  
 beds for troops. Camp clean & drained. Water  
 from a 1/2 5/12.

Total Sick 121. Hospital accommodation 3 beds. Hospital 20. Regt.  
 (2 Camp. 1 Bedding). Fresh meat daily. Juice juice  
 none. 2 Hospital Surg. 1 Surg. 1st. 1st. 1st. 1st.  
 1 Store. 2 Suits. no horses. Cook House from  
 Lateral dug. no ventilation in beds. Fresh meat

Suits unserviceable. Fresh meat occasionally. 4. 1/2 Regt. Camp.  
 no beds for men. Potatoes & onions. no pepper or  
 salt. Juice juice largely deficient. Then 2 nights  
 in the. Water wanted for most of. Fresh. Cook.  
 Bed for. Lateral. dug.

Total sick 74. Hospital accommodation 3 beds (2 beds 46 Hospital  
 Bedding) 1 Surg. 1st. 1 Store. 1 Ablution.  
 1 orderly. Fresh meat every day. Potatoes  
 & onions on requisition. - Broom & Broom  
 waiting. Lateral dug.



48<sup>th</sup> L. I. Camp. <sup>a few men</sup> Fruits pretty good, same berries. Fresh  
meat 3 times a week. Vegetables sufficient, salt  
meat makes - no pepper or salt. Camp clean  
& in good order. - Latrine dug - Water good.  
at Kutz for men watered. - no of nights in bed.

58<sup>th</sup> Hospital. Total number of sick - Hospital  
accommodation 3 Kutz. Fresh meat & vegetables  
nearly every day. Situation not good too low &  
no supply. Latrine dug. Cook house good.

High Bridge. Total sick 103. Hospital accommodation.  
Hospital. 2 Kutz. 1 Surgeon. 2 Bed Kutz. 1 Surgeon  
1 abolition. 4 Washings. no Barracks - Fresh  
meat & vegetables nearly every day. - Lime juice  
sufficient. no Condiments. Latrine dug &  
dug.

Camp. Fruits in pretty good order. Fresh meat nearly  
every second day. - Lime juice occasionally, but  
none the last few days. no Condiments.  
no of nights in bed.

F. B. P. B. B. no of sick 7. Hospital accommodation 1 Kutz.  
Hospital. Fresh meat & vegetables nearly every day. Condiments  
now provided. - Lime juice sufficient as cooked with

Camp. - Men probably better. Fresh meat 3 times this  
month. 4 or 5 times last month. Fresh meat & veg  
Latrine dug.



Remarks & suggestions.

No ventilation appears to have been introduced  
into any of the Huts in this Division - no Cordons  
appear to be regularly supplied. no measures appear  
to have been adopted either by Regt. or the Dr  
M<sup>rs</sup> G<sup>en</sup>l<sup>l</sup> Department for hastening the Water  
supply. which must prove a serious inconvenience  
in the approaching storm weather. Wheel Barrows  
would be a most useful means of conveying  
substance to a distance from the Camp -  
No regular measures have generally adopted either  
in Regt. or Department for enabling the men to  
wash their personal clothes - a jobbing and of  
Vermion. Fuel appears in some cases to be  
rather scarce. It would be desirable to file  
in the tobacco daily with refuse charcoal &  
ashes. or water on earth. Lime juice appears to be  
generally deficient in most Regts. & some  
Hospitals - The L. O. of 17<sup>th</sup> Regt. complains  
that drunkenness in the Camps cannot be  
prevented in consequence of spirits sold by French  
Soldiers.

Notes made daily on the  
different Camps by the  
Commander -



42: Highlanders  
Camp.  
Strength 589.

Report on (Camp & Hospital of 1st Division  
Highland Brigade FBS 2/8)

Camp on clay soil. accommodation for men 24 huts  
30 men in each. no ventilation. Food meat & vegetables  
about 3 times. Lime juice occasionally. salt & pepper  
purchased. Cook by Companies in huts. Water spring  
pro. Washing by men themselves (optional), duration  
9 nights in h.c. 5.

Hospital 42: }  
not ventilated

Total sick 44. Hospital accommodation 4 huts.  
17 men in each. Food meat mostly very dry. Vegetables  
fruit & preserves. Lime juice occasionally. no salt  
or deep brown fat. Cook & hut built. no pepper  
Lime dug & frequently covered in - arrangements  
for washing men clothes in Hospital.

79: Highlanders  
Camp.  
Strength 669.

Accommodation for men. 24 huts. 25 in each  
Food meat 3 times a week. Vegetables & Lime juice  
occasionally. men cook by Companies & Cooks hut  
built. no condiments supplied. no Regt - arrangement for  
washing. Water pro. men 5 nights in h.c. Lime dug.

Hospital 79: }  
not ventilated.  
much crabs.

Total no of men in Hospital 140. Food meat Regt  
& Lime juice daily: Hosp - Accommodation 5 huts;  
24 in each. Cooks hut built. Water <sup>regt</sup> supply built  
much water. Regt washing done by 1st & 2nd parties.  
Percolation. Flour & Bread. 8 Whiskies struck  
with 7 men.

93: Highlanders  
Camp. on a part hills  
Strength 1183.

Accommodation for men. 18 huts 25 in each  
Huts not ventilated. Food meat about 3 times a week.  
no condiments. Cook by Companies in huts. salt  
meat not cooked. Vegetables and Lime juice occa-  
sionally. Water pro. Lime dug, men 4 nights in  
h.c.

Hospital 93:

Total sick 118. Hospital accommodation  
3 huts. 14 in each. & the Church & kitchen (271).  
A Dump & House - also men & kitchen detached.



Food meat daily - vegetables frequently Lima juice  
occasionally. Salt lickers not used. Women of  
allition Feb. & March. Cask of hot water for  
Lima day & fill in with Lima in manner of  
washing patients linen. - Prevailing disease - Feb  
Amish. with tendency to Typhoid symptoms.  
Jordan's shock 0.

Hospital 93 - Cont?

Camp situated on a hill - north side of road leading  
from Balaklava & overlooking - many people near  
Kishkinev. In camp one patient - home put  
most 3 times & more. & vegetables occasionally. Cask  
by Camp. men 2 & 3 nights in line.

11<sup>th</sup> Highlanders.  
in camp. - Strength 600.  
Sent after Regt. &  
quarters in Balaklava.  
Strength of not known

Hospital. 2. Patients. Food meat daily. Vegetables  
& Lima juice occasionally. Cask of hot water, cask  
by Camp. men. Water for 0. spring. No condiment.  
Men and clothes in stream. as men's area is in the  
vicinity of Hospital. - From of a low type purchased and  
men in Balaklava. Men in Camp nearly all night.

Hospital. - 1st.  
Sold out in Camp. 11.

Sold out 21. Hospital accommodation 1. But  
1. Deserve. Food meat & juice daily. Vegetables &  
Lima juice occasionally. 1 Temp. 1 allition Feb.  
Regt. arranged for washing. Lima day.

C. Camp. H. A.  
Strength 180.

Camp - situated east from 0. too near to camp. file  
of the 1st. Strong opinion from little likes  
and women - men 1st. 28th and 1st.  
no condiment supplied. Water for 0. spring.  
Hats too close to Stables.

Camp -

Prisoners of War  
Far over



## Brijale of Guards.

Camp Green. Dis- Camp in wings on heights above high camp from  
 Guards. Strength 400 Beloklava. Men mostly all Boko (10. Boko).  
 26 men in each. mostly by 22 camp days. Vegetables & lime  
 juice occasionally. Cooks by Carpanin & Boko. Latrine  
 dug & covered in Camp kept clean by Boko Police. It takes  
 men clothes regularly washed. Duties 3 nights in bed.

Hospital. 200 men } Constant fatigue parties.  
 200 men on top of Boko } Latent sick 49. Hospital accommodation 2 Boko  
 Boko not suitable } (1 morning) 26 in one hut. 19 in the other. Cooks Boko  
 too crowded. } building. Food meat daily. Vegetables & lime juice 5.  
 Latrine dug & filled in. no light-arrangement for washing  
 men clothes in hospital. personal collection table.

Camp Boko Tuzila Camp with situated on slope of Boko overlooking  
 Guards. Strength 402. Road to Beloklava. N. of K. Boko. men all Boko  
 Food meat 3 times a week. Vegetables plenty. Lime  
 juice occasionally. Cooks Boko building. Water  
 good but distant. Latrine dug & covered in daily.  
 duties men 2 & 4 nights in bed. but constant fatigue  
 parties. no nuisances.

Hospital. 200 men } Latent sick 15. 23 in Camp. 26 in Hospital  
 Camp Boko } Hospital accommodation. 2 Boko. 3 Boko tents  
 Officers clothes too } 1 Boko no shelter. Food meat & Vegetables daily  
 done. } Cooks Boko building. Water good but distant. personal  
 done. } done. Food good. Hospital or desk's Boko.  
 no Boko system of collection

Calcutta Camp Boko } Camp badly situated. on rocky slopes above  
 Guards. Strength 213 } the end of the harbor - in close proximity to a  
 Turkish burying place from which there is already  
 considerable emanation - the Commisariat should  
 & stables are too close to the Boko, which  
 having been occupied by 3 Boko are exceedingly dirty  
 Food meat supplied to men 3 times a week  
 Vegetables occasionally. Lime juice 5  
 duties 3 nights in bed. Latrine bed & distant



Total sick 62. Hospital accommodations 3  
bunks. each containing 25. 19. Food meat & vegetables  
daily. Lard & jam occasionally. Water for  
an system of sanitation. In ventilation. Lard & jam  
disturb - situation of Hospital decidedly bad.  
Inoculation of typhus has recently appeared which the  
most officer in charge attributes to the locality.

Hospital Rifle Bn.  
Lft Wing. Strength

Camp detached on summit of high shore.  
Balkhlor. Total sick 31. Hospital accommodations 222.  
1 bunk. for crochets. Food meat daily. Lard & jam  
& vegetables occasionally. 1 sanitation tent. Cook & bath  
built. Water in tubs.

This Regt. which number are brought down  
from the front. and has since begun to improve  
rapidly in health.

Camp & Hospital 63<sup>rd</sup>

Pres. Treadwell