1. Number of pages 57
2. Date of repair 6/
3. Initials of Reference

M.R.O. I—82,400—28-11-30.

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

Cons. 9-6-37

G.O. No. 1085 Press Mis.

Dated 9-6- 1937

Not to be folded or roughly handled

Read the following.

No. 60. Extract from the Minutes of Consultation in the Military Department, dated 1st May 1857, No. 1427.

Read the following Extract Minutes of Consultation, Public Works Department.

Requesting information, before addressing the Government of India on the subject, whether the Gun Carriage Manufactory is sufficiently spacious to admit of the construction within it of the additional buildings required for the reception of the Machinery already arrived and expected from England, and whether the large quantity of smoke that will be emitted from the chimnies may not prove a nuisance to the neighbourhood, and calling upon the Chief Engineer also to report certain particulars. } (Here enter 24th March 1857, No. 537.)

Referred to the Military Board.

FORT SAINT GEORGE, 27th March 1857. }

(By order.)
(Signed) C. A. BROWNE, Colonel,
Secretary to Government.

No. 379.

Letter from the Military Board; to Colonel C. A. BROWNE, Secretary to Government, Military Department, dated 27th April 1857, No. 379.

SIR,

We have the honor to lay before Government a long report from the Superintendent Gun Carriage Manufactory about keeping the Gun Carriage yard in its present position, and as the main points for consideration are the noise of the heavy Steam hammers and the nuisance of smoke in that crowded neighbourhood, we think that Government should decide thereon before taking up any of the other questions contained in this report.

2. We beg to express our doubts about smoke consuming apparatus being efficient, and we think that the smoke nuisance in many parts of our cities, should guard us from the same evils in Madras.

Letter from Major J. MAITLAND, Superintendent of Gun Carriage Manufactory; to the Secretary to Military Board, Fort Saint George, dated 15th April 1857, No. 283.

SIR,

I have the honor to acknowledge Extract from the Proceedings of the Military Board No. 8071* enclosing Extract from Minutes of Consultation No. 537† wherein it is stated that "before proceeding to address the Government of India as contemplated in the resolution of Government in the Military "Departmeut dated 26th February 1857, the Governor in Council deems it necessary to enquire "through that Department whether the Gun Carriage Manufactory is sufficiently spacious to "admit of the additional buildings required for the reception of the Machinery being constructed "within it, and if so, whether the large quantity of smoke which will be daily emitted from the "chimnies may not prove a nuisance to the neighbourhood."

*1st April 1857.
†24th March 1857, P. W. D.

2. Mr. Curran when in England in communication with Mr. Nasmyth sent me out a Plan* recommending three eligible sites for the proposed new General Workshops which with the Blowing Machine for the Smithy,† and the two Steam Hammers, were all to be put up in what was formerly the old Gun Carriage yard. It will therefore be observed that Mr. Curran was then satisfied that half the present room was sufficient.

*Marked D.
†Plan marked C.

England

"From this diagram I can see plainly, how the different parts are connected and set up, and "the straps and bands applied to receive and transmit motion to each "Machine, and I find that one of our present Saw pits will answer the purpose very well only it will have to be widened a little, the span of "the proposed Pit being about 32 feet the length of our Pits being amply sufficient. Having "this advantage, if the Workshop for the Lathes &c. is built on either side of the Pits, East or "West, one set of Boilers those provided for the Lathes &c. will answer both purposes—but a "separate Engine will be requisite for the Saw Mill—Messrs. Worssam and Co. having estimated "the power required to drive their Machinery at (14) fourteen Horse Power—and Mr. Nasmyth, "having been requested to economize as much as possible, it has been arranged and recommended "that one of the present Pits should be converted into that proposed and Steam from one set of "Boilers to work the both Engines. The expense of completing all these things will amount "somewhat to about 30,000 Rupees without Freight."

Extract from Mr. Curran's letter dated 18th May 1856.

"Plan D, is intended to show such eligible sites as Mr. Curran thinks would suit for the "proposed new Workshop, any of those marked D, would suit well if "convenient for the other Departments of the Establishment."

Extract from Mr. Nasmyth's letter dated 19th April 1856.

3. The site now proposed for the General Workshops and Smithy is part of the former Timber yard, it seemed to me so open, roomy, and in every way so much better fitted for the buildings, that I pointed it to the Superintending Engineer as preferable to the three sites alluded to by Mr. Nasmyth and Mr. Curran in the correspondence above quoted.

4. The General arrangement of Machinery in the proposed building is Mr. Nasmyth's whose great experience in these matters I thought made him a safe guide—Mr. Curran gave the Superintending Engineer the information he obtained in England and when he brought the Plan for my signature he told me that it was exactly as it should be and never expressed objections of any kind to the position of the yard.

5. I am aware that Mr. Curran has since then remarked to Captain Rawlins that the vacant space of ground to the West of the basin near Cochrane's Canal and bounded on the North by the Railroad, would in his estimation be a preferable site to the present Gun Carriage yard, but unfortunately it is under water after every shower of rain, and sometimes covered many feet deep after heavy monsoon rains. The water in the Canal is salt, and the supply in the hot weather has heretofore been scanty, and above all, the Lime Kilns would render it intolerable as their effect at the Powder Mills, half a mile off, is most disagreeable.

6. Captain Rawlins is of opinion that ground to the East of Cochrane's Canal bounded on the North by the Railroad and South by the Lime Kilns, would be an eligible site, but the objections to it are the same as to that selected by Mr. Curran, with the addition of being a very limited space.

7. Captain Rawlins suggests removing the Powder Maunfactory and to place the Gun Carriage Manufactory where the Mills now stand. The powder Mills may answer very well for many years for their present purpose, but, even if the Machinery for which the Buildings were erected, was taken down, they would be unsuitable for the Gun Carriage Manufactory. Therefore in removing the Mills to some other locality and placing the Gun Carriage Manufactory on their present site it involves the double expense of erecting new buildings for both Departments, and if this were carried out, the Gun Carriage Manufactory would then be less conveniently situated in every respect than it is at present particularly with reference to daily intercourse with the Fort and Artillery Depot. To build new workshops for all trades as well as for the machinery, Barracks complete for Pupils, Godowns for Iron, Timber half wroughts, Small stores and Fuel, Offices and all the out houses required for such an Establishment would cost 4 or 5 Lacs of Rupees.

8. It has also been suggested to me that good sites for the Manufactory might be obtained near Sydapett, and that the Adyar would probably afford a supply of fresh water at all seasons, but, admitting that to be the case, I fear that isolating the Department from any Town or Cantonment will add to the present great difficulty of procuring workmen to supply vacancies as they occur, and as to procuring temporary workmen for cases of emergency I believe it would be impossible.

9. Wherever Government may think proper to locate the Department I see no necessity to have more than 3 or 4 months supply of Fuel on the premises—Depots of coals similar to those belonging to the P. and O. Company might be established in some convenient spot elsewhere and this would obviate all supposed danger from spontaneous combustion and give more room if required.

10. As to there being space to admit the additional buildings for the Machinery I never entertained a doubt on the subject. If I had not believed the area to be amply sufficient for every purpose that it might be hereafter required for, I would not have suggested that Government should go to the expense of uniting the two yards into what now constitutes the Gun Carriage Manufactory.

11. With regard to the possibility of the smoke becoming a nuisance to the neighbourhood if the Machinery for this Department was erected in the present Gun Carriage yard I think it is not likely that such would be the result as we never hear of the citizens of Calcutta being inconvenienced by the Mint and other large establishments worked by steam which are situated in the heart of the Town, but, to prevent any possibility of such taking place having heard from Mr. Wright that smoke consumers are not only simple and effectual but that they tend to economise fuel, I applied to the Military Board on the 17th of last March to move Government as early as possible to draw the attention of the Honorable the Court of Directors to this subject that Messrs. Nasmyth and Co., might be desired to furnish this apparatus on the most approved principle for such of the Boilers as that firm are sending out to Madras for the use of the Gun Carriage Manufactory.

12. I have placed in an appendix a correspondence on this subject between Captain Rawlins and Mr. Wright which shews that some of the largest working establishments in England are in the *heart* of London, Birmingham, New Castle, Manchester Leeds, Bristol and almost everywhere in our principal Towns. If therefore the metropolis of India and the chief cities in England are not inconvenienced by their smoke and noise I see no reason to apprehend that the inhabitants of Vepery will have cause to complain.

13. Assuming that the area of the yard is sufficient, and that the use of smoke prevention apparatus will obviate all fear of the smoke being a nuisance, there are some important considerations to be weighed in favor of the present site which I will here enumerate.

1st. Water is always abundant.

2nd. As Workshop to the Arsenal it is very near the Fort.

3rd. It is near supplies from the Commissariat and Arsenal.

4th. Workmen are more easily procured as they live close to the Manufactory, and this saves them a long walk morning and evening from and to their homes.

5th. The Ordnance Atificers and Warrant and Non-Commissioned Officers find lodging room in the Town.

6th. It is near the markets which is a great convenience to persons employed all day at work.

7th. It is close to Hospitals of all kinds where I obtain daily supplies of medicine for the people at work, and they receive patients European, East Indian or Native, which obviates the necessity for a Medical attendant.

8th. Churches and Schools are in the neighbourhood.

9th. The expense of erecting the proposed buildings is Rupees 85,000 instead of several lacs.

N. B.—Accompanied by two Plans marked C, and D.

APPENDIX.

Captain Rawlins put the following queries to Mr. Wright Locomotive Superintendent.

The smoke and noise would be a nuisance to the public—To the patients in the Eye Infirmary, to the Kirk, and to all the inhabitants round about—The smoke from 3 or 4 or 5 tons of coal daily consumed would infect the whole neighbourhood—The sparks from the Chimnies &c.

would endanger the Vepery Lines—Query—Would it not be such a nuisance as to induce House owners to bring an action for damages? In England all large Establishments of the kind are generally situated outside the Town.

To which Mr. Wright replied.

My dear Captain Rawlins.

I have made a few alterations in your notes on the conversation that we had the other day concerning the Gun Carriage Manufactory, they are in pencil, and I hope you can read them.

I have also taken the liberty of pencilling in a few observations on parts of your report on matters in which I think you have been misinformed, especially concerning Manufactories which swarm in *the heart* of London, Birmingham, Bristol, Manchester, and other large towns.

Vide the Borough, Rennies, Mandslay's Easton and Amas's Peto and Grissel, and no end of other important engineering Establishments.

You can of course make such use as you may think proper of what I have said

This is not the case. In all our principal Towns the largest manufactories exist in the very heart of them. In London, in Birmingham, in Newcastle, Manchester, Leeds, Bristol and almost every where. It is conveninent to have a Factory next a Canal or river from the advantages offered by water Carriage, but, it is not a necessity. In most large Towns Factories are supplied from the water works with water for the purpose of manufacture.

Mr. Wright's pencil remarks.

Mr. Wright thinks that the consumption of so much coal will certainly be productive of a considerable quantity of smoke and smuts but, that much of this may be avoided by Judicious firing, and almost entirely by smoke consumers.

Note by Captain Rawlins sent me for perusal,

This apparatus is expensive in itself, it is however more economical in the consumption of fuel as the gases from the coal are more thoroughly burnt. No need to describe the mode of smoke consuming. This is one way of aiding smoke consumption but efficient smoke consuming Engines are now specially made on an improved principle.

Mr. Wright's pencil remark.

(True Copies.)

Gun Carriage Manufactory, 15*th April* 1857.

(Signed) J. MAITLAND, Major,
Supt. Gun Carriage Manufactory.

Communicated to Department Public Works.

(True Extract and Copies.)

(Signed) C. A. BROWNE, Colonel,
Secretary to Government.

No. 61. Extract from the Minutes of Consultation in the Military Department, dated 18th May 1857, No. 1610.

Read the following Extract Minutes of Consultation Public Works Department.

(Here enter 5th May 1857, No. 862.)

The Governor in Council approves of the plan of the proposed new buildings for the steam Machinery for the Gun Carriage Manufactory provided their site be ultimately fixed in the compound of the manufactory, which will be considered in the Department Public Works.

(Signed) H. MARSHALL, Lieut.-Colonel,
Dy. Secretary to Government.

No. 62. ORDER THEREON, No. 1085; dated 6th June 1857.

The letter from the Military Board which accompanied the first of the above papers gives cover to a communication from Major Maitland on the subject of maintaining the Gun Carriage

5B

Manufactory on its present site and of improving it by means of additional buildings for the reception of the valuable Steam Machinery received and still expected from England.

2. In the second paper the plan of the proposed additional buildings is approved, but to bring the consideration of this part of the scheme before the Department of Public Works, it is necessary that the question of site, and other points connected with it, should be settled, in the first instance, in the Military Department to which it properly appertains.

3. Ordered accordingly, that the above observation be communicated to the Military Department.

(Signed) H. FORBES,
Acting Secretary to Government.

In The Military Department.

No. 1427.

Extract from the Minutes of Consultation, 1st May 1857.

Read the following,

Extract Mins. of Con. Public Works Depart.

Requesting information, before addressing the Government of India on the subject, whether the Gun Carriage Manufactory is sufficiently spacious to admit of the construction within it of the additional buildings required for the reception of the Machinery already arrived and expected from England, and whether the large quantity of smoke that will be emitted from the chimnies may not prove a nuisance to the neighbourhood, and calling upon the Chief Engineer also to report certain particulars. } Here enter 24th March 1857, No 537.

Referred to the Military Board.

FORT SAINT GEORGE,
27th March 1857.

(By order.)

(Signed) C. A. BROWNE, Colonel,
Secretary to Government.

No. 379.

From

The Military Board,

To

The Secretary to Government, Military Department.

Sir,

We have the honor to lay before Government a long report from the Superintendent Gun Carriage Manufactory about keeping the Gun Carriage yard in its present position, and as the main points for consideration are the noise of the heavy Steam hammers and the nuisance of smoke in that crowded neighbourhood, we think that Government should decide thereon before taking up any of the other questions contained in this report.

2. We beg to express our doubts about smoke consuming apparatus being efficient, and we think that the smoke nuisance in many parts of our cities, should guard us from the same evils in Madras.

MILITARY BOARD OFFICE,
FORT SAINT GEORGE,
27th April 1857.

We have &c.

(Signed) Æ. SHIRREFF, Brigadier,
Commandant of Artillery.

(Signed) G. BALFOUR, Lieut. Colonel,
Stipendiary Member.

No. 283.

From

The Superintendent of Gun Carriage Manufactory,

To

The Secretary to the Military Board, Fort St. George,

Sir,

I have the honor to acknowledge Extract from the Proceedings of the Military Board No. 8071* enclosing Extract from Minutes of Consultation No. 537,† wherein it is stated that "before proceeding to address the Government "of India as contemplated in the resolution of Government in the Military Department dated

* *1st April* 1857.
† *24th March* 1857, *P. W. D.*

"26th February 1857, the Governor in Council deems it necessary to enquire through that "Department whether the Gun Carriage Manufactory is sufficiently spacious to admit of the "additional buildings required for the reception of the Machinery being constructed within it, "and if so, whether the large quantity of smoke which will be daily emitted from the chimnies "may not prove a nuisance to the neighbourhood."

2. Mr. Curran when in England in communication with Mr. Nasmyth sent me out a Plan* recommending three eligible sites for the proposed new General Workshops which with the Blowing Machine for the Smithy,† and the two Steam Hammers, were all to be put up in what was formerly the old Gun Carriage yard. It will therefore be observed that Mr. Curran was then satisfied that half the present room was sufficient.

* *Marked D.*
† *Plan marked C.*

Extract from Mr. Curran's letter dated 18th May 1856.

"From this diagram I can see plainly, how the different parts are connected and set up, "and the straps and bands applied "to receive and transmit motion to "each Machine, and I find that one "of our present Saw pits will answer the purpose very well only it will have to be widened a "little, the span of the proposed Pit being about 32 feet, the length of our Pits being amply "sufficient. Having this advantage, if the Workshop for the Lathes &c. is built on either side "of the Pits, East or West, one set of Boilers those provided for the Lathes &c. will answer "both purposes—but a separate Engine will be requisite for the Saw Mill—Messrs. Worssam "and Co. having estimated the power required to drive their Machinery at (14) fourteen Horse "Power—and Mr. Nasmyth, having been requested to economize as much as possible, it has "been arranged and recommended that one of the present Pits should be converted into that "proposed and steam from one set of Boilers to work the both Engines. The expense of "completing all these things will amount somewhat to about 30,000 Rupees without Freight."

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11. With regard to the possibility of the smoke becoming a nuisance to the neighbourhood if the Machinery for this Department was erected in the present Gun Carriage yard I think it is not likely that such would be the result as we never hear of the citizens of Calcutta being inconvenienced by the Mint and other large establishments worked by steam which are situated in the heart of the Town, but, to prevent any possibility of such taking place having heard from Mr. Wright that smoke consumers are not only simple and effectual but that they tend to economise fuel, I applied to the Military Board on the 17th of last March to move Government as early as possible to draw the attention of the Honorable the Court of Directors to this subject that Messrs. Nasmyth and Co., might be desired to furnish this apparatus on the most approved principle for such of the Boilers as that firm are sending out to Madras for the use of the Gun Carriage Manufactory.

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1st. Water is always abundant.

2nd. As Workshop to the Arsenal it is very near the Fort.

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8th. Churches and Schools are in the neighbourhood.

9th. The expense of erecting the proposed building is Rupees 85,000 instead of several lacs.

I have &c.,

GUN CARRIAGE MANUFY.,
MADRAS,
15*th April* 1857.

(Signed) J. MAITLAND, Major,
Supt. Gun Carr. Manfy.

N. B.—Accompanied by two Plans marked C, and D.

APPENDIX.

Captain Rawlins put the following queries to Mr. Wright Locomotive Superintendent.

The smoke and noise would be a nuisance to the public—To the patients in the Eye Infirmary, to the Kirk, and to all the inhabitants round about—The smoke from 3 or 4 or 5 tons of coal daily consumed would infect the whole neighbourhood—The sparks from the Chimnies &c. would endanger the Vepery Lines—Query—Would it not be such a nuisance as to induce House owners to bring an action for dammages? In England all large Establishments of the kind are generally situated outside the Town.

To which Mr. Wright replied.

My dear Captain Rawlins,

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Note by Captain Rawlins sent me for perusal. that much of this may be avoided by judicious firing, and almost entirely by smoke consumers

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Mr. Wright's pencil remark. to describe the mode of smoke consuming. This is one way of aiding smoke consumption but efficient smoke consuming Engines are now specially made on an improved principle.

(True Copies.)

GUN CARRIAGE MANUFACTORY,
15*th April* 1857.

(Signed) J. MAITLAND, Major,
Supt. Gun Carriage Manufactor

Communicated to Department Public Works.

(True Extract and Copies.)

Fraser

Secretary to Government.

To the Department Public Works. *With 2 Spare Copies.*

Exd. R. Spears.

1348

P.W.D.

Extract from the Minutes of Consultation

Under date the May 1857.

I should have thought it but that I should have received in the mail; dispatch - but the papers have been transferred to their proper Department

Should the Question [illegible] the Secretary [illegible] the Dep. P.W. has [illegible] Regarding the Erection of the Buildings [illegible] Letter. &

Read again letter from the Chief Engineer dated 17th April and recorded in Cons: 5th May 1857, No. 766.

Read also the following Extracts from the Minutes of Cons: in the Military Department.

(Here enter 1st & 18th May 1857 Nos. 1427 & 1619)

No. 1427 Extract Minutes of Consultation in the Military department dated 26th February 1857, No. 642, it was resolved that the additional buildings required for the reception of the valuable Steam Machinery, which was being sent out from England

Cons. 5th May 1857. No. 766.
Cons. 24th Mar. 1857. No. 642.

Under date the 17th April 1857.

Copy of a letter from the Chief Engr. in the Military Department.

Dated 17th April 1857.
Received 4th May 1857.

No. 766. Extract

Communicating the circumstances that led to the Government purchasing the Steam Machinery for the Gun Carriage Manufactory, and requesting that the necessary buildings for erecting and placing the same in the Gun Carriage Manufactory may be provided.

Cons. 26th May 1857. No. 1427.

England for the Gun carriage Manufactory, and had then arrived in part, should be erected without delay, after Special authority had been obtained for that purpose from the Government of India. Before carrying this resolution into effect, the Government deemed it necessary, to enquire, whether, the Gun carriage Manufactory Compound was sufficiently Spacious to admit of the buildings; and Secondly whether the large quantity of Smoke emitted from the chimney might not prove a nuisance to the Neighbourhood. They also called for information as to the nature and extent of the Machinery both

both received and expected, and as regards the number and description of the Buildings; and desired that Plans, and regular Estimates of the cost, should be submitted.

2 The Chief Engineer's letter of the 17th April, and the papers from the Military department recorded above, reply in part to this requisition. Of the sufficiency of the Compound of the Gun Carriage Manufactory for the additional buildings Major Maitland entertains no doubt; and from the arguments adduced in his ~~valuable~~ Communication of the 15th April, in which the subject appears to have been ~~both~~ considered in all its bearings, it appears to

to Government that the propriety of maintaining ~~and improving~~ the Gun Carriage Manufactory on its present site and of fitting it to the requirements of the Military Service cannot be questioned as to the smoke becoming a nuisance to the Neighbourhood, Major Maitland does not think that such will be the result; but to prevent any possibility of such a contingency he proposes the addition of smoke consumers, which, it is stated, will both economize fuel, and obviate greatly, if not altogether prevent the anticipated evil. The Military Board doubt whether smoke consuming apparatus "will prove sufficient, and they regard both the smoke

Smoke and the noise of the heavy steam hammers as nuisances. The Government do not share in the apprehensions of the Military Board, and think with Major Maitland that if no inconvenience from smoke and noise has been experienced from the existence of large working establishments in the midst of Calcutta, and in the heart of the principal Towns in England, the inhabitants of Vepery Town have no cause to complain as regards the noise of the hammers which is also alluded to in these papers as likely to inconvenience the Congregation in the Kirk in the neighbourhood, it has been elsewhere explained by

1758

by Major Maitland that
the Manufactory is not
to be worked on Sundays,
or in the evenings, there
will be no noise at the time
assembles.
the Congregation. These con-
siderations though import-
ant in themselves, are
of a secondary character
when viewed in comparison
with the fact, that, while the
proposed improvements in
the Gun Carriage Manu-
factory will involve an
Expenditure somewhat
short of a lac of rupees, the
Construction of new work-
shops in a different locality
would cost four or five lacs
This seems to be conclusive
against any changes.

3 The points next
demanding consideration

are

are the Plans of the propos
buildings, and their esti-
mated cost. The Chief E
Engineer has stated in his
letter of the 17th April that
the plans has been prepare
in accordance with the
details furnished from
England by Lt. Col. Nasmyth,
and is in his opinion
well adapted in all import
ant respects, to meet the
requirements of the Establi
ment. Under this view,
the Government home in
the Military department
approved of the Plans; and
they now request that the
Chief Engineer will have
Estimates carefully prepar
ed and submitted, togeth
with information on all
the points indicated in

para 2

para 2 of Extract Minutes
Consultation 24th March
1857 № 537, in a clear and
concise form
the Government
having, through the Military
department, forwarded for
the consideration of the
Honorable Court of Directors
Major Monteath's application ⊗
for Smoke prevention
Apparatus being attached
to all the Boilers which
are being sent out for the
new Workshops of the
Manufactory "together with the
Military Board's recom-
mendation that the
application should not
be met without sufficient
information as to the cost
of applying the apparatus
and the probability of
success

⊗ dated 17th and received with
Mily Bd's letter 24th March /57. for-
warded to the Hon Court in
Mily Letter 9th April /57 ch 35

2178

success when applied, they
now resolve that the views
contained in these proceed-
ings be brought to the
notice of the Honorable Court
~~of Directors~~ through the same
department.

24/10.

Additional Buildings
for Storage &c
Store Keeping &c
Ft. Garrison

1st May 29th 62 Lmo

Public Works Dept

No 1085

Extract from the Minutes of Consultation
Under date the 6th June 1857.

Read the following papers.

No 60.
Extract from the Mins of Con.
in the Mily Dept
/ Here enter 1st May 1857 No 1437 /

No 61.
Extract from Do Do
/ —— 18— —— 1619 /

Ft
VG
6

The letter from the Military Board which accompanied the first of the above papers gives rise to a communication from the Major Martinard Supt of the Carriage Manufactory on the subject of maintaining

maintaining the Gun carriage Manufactory in its present site and of improving it by means of additional buildings for the reception of the valuable steam machinery received and still expected from England.

2. In the second paper the plans of the proposed additional buildings is approved but to bring the consideration of this part of the scheme beyond the Dept of Public Works it is necessary that the question of site, and other points

points connected with it should be settled, in the first instance, in the Military Department to which it properly appertains.

Ordered accordingly that the above observations be communicated to the Military Dept

D.G.

Copies to the Secy Ord. Dept. Dispatch
Secy Treasy
Received the above Copies from Milty Dept & rec'd to the Chief Engineer 25/11/57.

Public Works 1857 Sept.
Dft to Com: 9th June.
No 1085.

Extract Mins of Com:
Dy 6th June 57.
Military Dpt 20 Mins of 6th
1289 — 6 28 Pay

No 60 to 62.

Communicating to the
Military Department Major
Maitland's letter on the subj
ject of maintaining the Gun
Carriage Manufactory on it
present site and of improvin
it by means of additional
buildings.

2 June 57