

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 1433

Press
Mis.

15-16

Dated

1-5-

18/9.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
1st May 1869.*

No. 15. Read the following letter from the Acting Chief Engineer for Irrigation, to the Secretary to Government, Public Works Department, dated Fort St. George, 31st March 1869, No. 166:—

1. I have the honour to inform you that, in accordance with the instructions conveyed in Proceedings Madras Government, No. 49, of the 22nd instant, I have inspected the sluice gate patented by Mr. Edwards, c. e., which has been erected at the Gun Carriage Manufactory.

2. The machinery for raising the gate by water pressure acts well and easily, and the workmanship of the gate is good. The framework is not adapted for fixing in masonry, and while there can be little doubt that the lifting of the gate would be always readily accomplished, even with a considerable head of water against it, I think that, unless the rams were made double acting, there would be difficulty in closing the gate again, as this process in the sluice erected, is supposed to be accomplished by the weight of the gate only.

3. I do not think that this sluice, as sent out from England, could be used on any Government works. It might answer for regulating the admission of water to a channel where the depth of water on its sill not greater than the height of the gate. Its cost,* however, would preclude its use in such a position.

* Rupees 550.

4. I would recommend that drawings, on a large scale, of the sluice be prepared, and then such modification of the framework can be suggested, as would allow of sluices on this principle being designed with arrangements adapted to the circumstances under which they might be advantageously used.

No. 16.

ORDER THEREON, 1st May 1869, No. 1,433.

IRRIGATION, No. 3.

Under the above unfavorable report from the Chief Engineer for Irrigation, His Excellency the Governor in Council is not prepared to sanction any outlay in further experimenting with the sluice gate invented and patented by Mr. W. Edwards, c. e., and now at the Gun Carriage Manufactory at Madras.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Chief Engineer for Irrigation.

Inspector General of Ordnance and Magazines.

Ed. S. T. Augustin.

Cont. of 1869

PUBLIC WORKS

THE CHIEF ENGINEER FOR BRIGATION

Dated May 1869

Recd

G. P. No. 1869, No. 1869

MAY

No. 15-16

Sluice Gate - Any outlay in further experimenting with the sluice gate invented and patented by Mr. W. Edwards, C. E., and now at the Gun Carriage Manufactory at Madras, declined to be sanctioned.

N^o 166

From

Fort St George
3rd March 1869

Captain J. Mullins. & Co

Acting Chief Engineer for Brigation

To

Colonel G. A. Orr. & Co.

Secretary to Government M.D.

Sir,

I have the honor to inform you that, in accordance with the instructions conveyed in Proceedings Madras Government, No. 19 of the 22nd Instant, I have inspected the sluice gate, patented by Mr Edwards & Co., which has been erected at the Gun Carriage Manufactory.

2. The machinery for raising the gate by water pressure acts well and easily, and the workmanship of the gate is good. The framework is not adapted for fixing in masonry, and while there can be little doubt that the lifting of the gate would be

be always readily accomplished, even with a considerable head of water against it, other than that, unless the rams were made double acting, there would be difficulty in closing the gate again, as this process in the place mentioned, is supposed to be accomplished by the weight of the gate only.

3 I do not think that this sluice, as sent out from England, could be used on any Government works. It might answer for regulating the admission of water to a channel, were the depth of water on its sill not greater than the height of the gate. Its cost however would preclude its use in ^{any} ~~any~~ such a position.

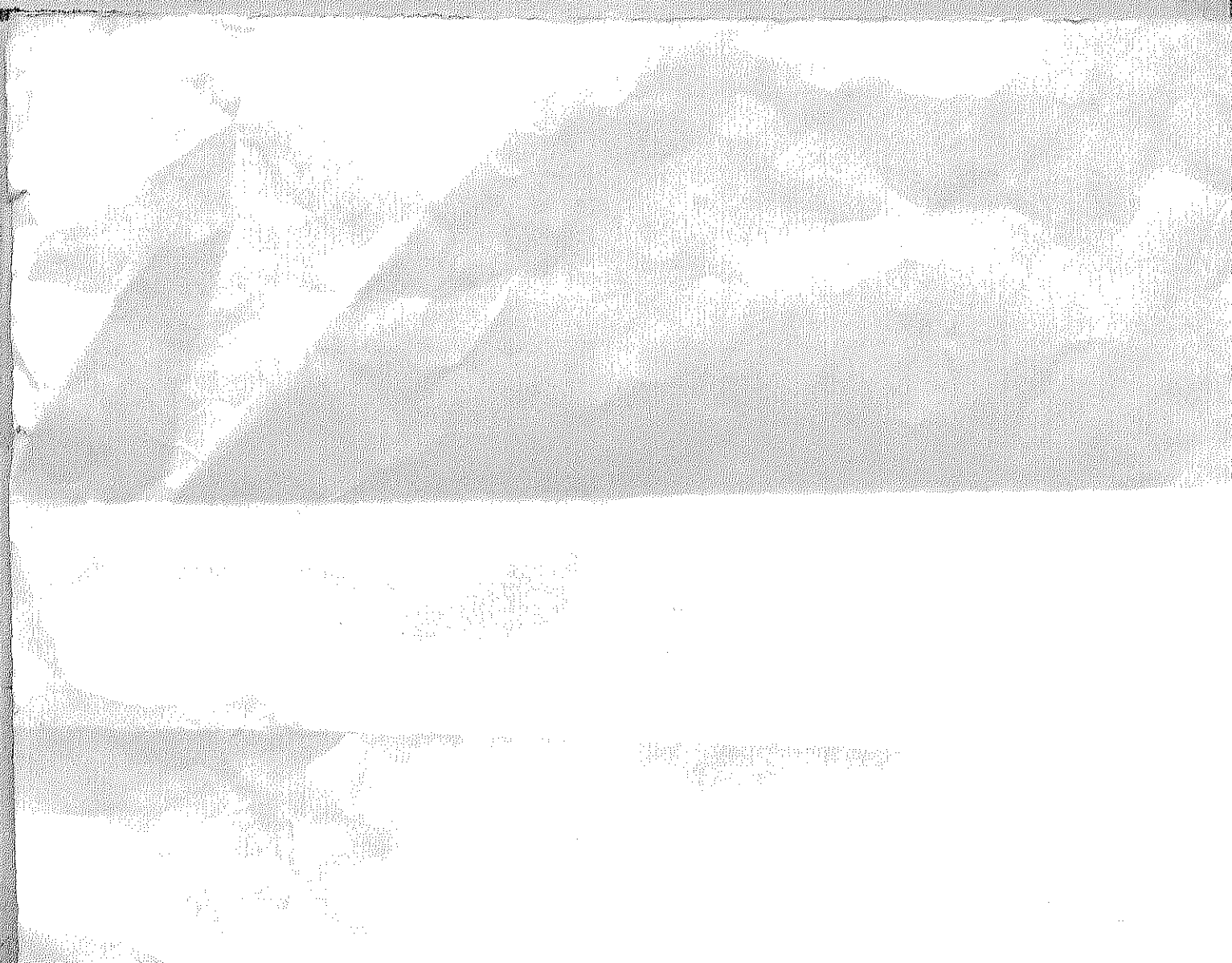
14 I would recommend that drawings on a large scale, of the sluice be prepared, and then such modification of the framework can be suggested, as would allow of sluices on this principle being designed.

designed with arrangements adapted to the circumstances under which they might be advantageously used.

I have the honor to be
Yrs

Your most obedient servant.

Whitcomb Captain R. Co.
Acting Chief Engineer for Brigade



Public Works Department
No 1433

Proceedings of the Madras Government
Under date the 1st May 1869
Read the following

From The Asst Chief Engineer
for Irrigation

A. E. No 166 of 31st March 1869

Under the above
unfavorable report of the
Chief Engineer for Irrigation,
His Excellency the Governor
in Council is not prepared
to sanction any outlay in
further experimenting with
the Thrice fake invented
and patented by Mr.
W. Edwards & Co. and
now at the Gun Carriage
Manufactory at Madras

[Signature]

3 To the Chief Engr. for Irrigation
3 " Inspector Genl of
Ordnance & Magazines.

Recd 2/5/69

[Faint handwritten notes, possibly a list or ledger entries]

2/166

Chartered that the
has instructed the officer
to take possession of the
estate patented by Mr.
Edwards & Co. which is
now used erected at the
Gun Carriage Manu-
factory -

No 1433-1st May 1869

c. 1000 of 1869 18.155

P. W. Dept.

Proceedings of the Madras Government.
Read the following

From the Acty Chief Eng.

For Irrigation - (H.E. No 1668) 31 March 1899

It is rather a call to
let a the intermediation
of the Secretary. I don't
think we may sanction it.

From this report it would appear that the sluice gate patented by Mr. Edwards C. E. is not likely, without considerable modifications, to be suitable for the purposes for which such gates are generally required on the irrigation works of this Presidency. As, however, a further, more practical test of its capabilities seems to be desirable, His Excellency the Governor

in Council resolves to
authorizing the purchase
of the gate at a cost
of Rs. 550, with a
view to its being sent
to the Joolavery Dis-
trict for trial in an
appropriate position
at the head of an
irrigation Channel.

The General In-
spector of the
Public Works, Stores
and Workshops will,
in communication
with the Inspector
General of Ordnance
and Magazines, ar-
range for taking

over

over charge of the Mica
gate and despatching
~~them~~^{it} to the Superjunct
of the 1st Div. at
Coanada.

The cost of the
gate will be charged
to the Revenue under
"Agricultural".

AB

6. L. Engr 10th Div.
4. Civil Engr
3. Acct. Genl
2. Engr. Dept. of P.W. Stores &
Workshops.
3. Asst. Genl. of Ordnance &
Magazines.

30

Cue 1309 A

Govt. of 1869 Madras.

PUBLIC WORKS.

To

Dated

Recd.

End.

G. O.

1869, No.

Nos.

Service Jati Occupies provided
for the purchase of a Service Jati
patented by Mr. W. Edwards. C.S.
with a view to its being used
in ~~the~~ an appropriate po-
sition at the head of an
irrigation channel in the
Godavery D^y.

Cue 1309A

Govt. of India

PUBLIC WORKS.

The Chief Engineer
for Irrigation

1st May 1869

Nos. 15-16

Sluice gate Any outlay in
further experimenting with
the sluice gate valves and
patented by Mr. W. Edwards
C.E. and now at the Gun Carriage
Manufactory at Madras, de-
clined the sanction.