M.R.O. 1—30,000—16-10-29.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No.	760	Press Mis.
282-83 Dated	23-5-	1870

Not to be folded or roughly handled

No. 282. Read the following Proceedings of the Board of Revenue, dated 25th March 1870, No. 1,953:—

Read again Board's Proceedings, dated 2nd July 1869, No. 4,728.

Read also the following letter from the Honorary Secretary, Government Experimental Farm, Madras, to the Acting Secretary to the Board of Revenue, dated 26th January 1870, No. 87.

I HAVE the honour to acknowledge receipt of Board's Proceedings of December 21, 1869, No. 9,428, and to forward the remarks called for in paragraph 2 on the Rajah of Vencatagherry's machine for raising water.

2. I regret the subject escaped my notice previously, as the papers were received just before I left for Oossoor in July last.

3. The machine could not be made here for treble the price estimated by the Rajah, nor do I think it could be made anywhere for the price named, except by a wealthy land-owner, with his own wood and workmen; nothing, moreover, is allowed for bags and ropes. The cost of two leather bags lately purchased for the Farm was Rupees 22, and the bags and ropes constantly need repair.

4. The machine is a common jim, of not very good pattern, with two leather bags attached for raising the water, called in Bengal the "Double Mhote."

5. In the Roorkee Professional papers* on Indian engineering a full account is given in Volume I, No. II., page 172, of machines for raising water, with drawings, descriptions, tables, calculations of cost, and a comparative table of five different machines, of which the "Double Mhote" is one.

* Herewith sent to be returned.

6. The best pump which has yet been tried at the Government Experimental Farm, Sydapet, where Picottahs, Mhotes, (single and double chains), V. pumps, Norton's force pumps, and bucket-pumps, have been experimented on, is the improved bucket-pump, of which a full description † is given in the accompanying copy of a letter to the "Indian Economist."

† Drawing also sent.

7. Though expensive at first the bucket-pump is very easily managed, requires almost no repair, and soon pays for the original outlay by doing more than double the work of any other pump.

ENCLOSURE No. 1.—One copy of letter to the "Indian Economist".

ENCLOSURE No. 2.—One Drawing.

ENCLOSURE No. 3.—Book.

SUBMITTED to Government, with reference to Government Order, dated 13th November 1869, No. 2,957.

2. It will be observed that the Honorary Secretary of the Government Farm Committee describes the Rajah of Vencatagherry's machine for raising

water, referred to in Board's Proceedings, dated 20th March 1869, No. 1,918, as a not-very-good pattern of a machine, known in Bengal as the "Double Mhote."

3. The Rajah estimates the cost of his machine, exclusive of leather bags and ropes, at Rupees 28-2-0. Mr. Hunter Blair, however, says that it could not be made in Madras for treble that sum, and he doubts whether it could be made anywhere for that price, except by a wealthy land-owner with his own wood and workmen.

4. From the account given in the Roorkee Professional Papers, Vol. I., No. II., page 172, it appears that the "Double Mhote" is the most effective of the five machines therein described.

5. Mr. Blair, however, reports that the result of experiments made at the Government Farm with various kinds of machines for raising water, including the "Double Mhote," goes to show that the "Improved Bucket-pump" is the best. A full description and a drawing of this machine accompany his report.

No. 283. ORDER THEREON, 23rd May 1870, No. 760.

Miscellaneous.

THE Acting Collector of Nellore is requested to convey to the Rajah of Venkatagherry the thanks of Government for his introduction of a contrivance for raising water hitherto unknown in the Nellore District. Mr. Master will at the same time call the Rajah's attention to the remarks of the Honorary Secretary, Government Farm, on the "bucket-pump" in paragraphs 6 and 7 of his letter, dated 26th January 1870, No. 87.

(True Extract.)

(Signed) R. A. DALYELL,
Acting Secretary to Government.

To the Acting Collector of Nellore.
,, the Board of Revenue.
,, the Honorary Secretary to the Government Farm.

Exd. F. R. Bantleman.

Govt. of 1870 Madras.

REVENUE.

No.

THE ACTING COLLECTOR OF NELLORE.

&c., &c., &c.

Dated May 1870.

Read

G. O., 23rd May 1870, No. 760.

MAY.

Nos. 283-283.

Machine for raising water, called the Double Mhote. Proceedings, Board of Revenue, &c., &c., &c., forwarding Sketch of Contrivance for the Raising of Water introduced in the District, and to draw the attention to the remarks relating to the bucket pump.

Rev.l Department

No. 760.

Proceedings of the Madras Government

Under date the 23rd May 1870

Read the following

Proceedings of the Board

of Revenue.

Subj. letter from Honorary
Secy. Govt. Farm Committee Subj.
Remarks on Machine for raising water
exhibited by Rajah of Venkatagherry
at Agricultural Show held at Nellore
in Feby. 1869) stating that best pump
which has yet been tried at
Farm is "Improved Bucket Pump"
forwarding a full description
& a drawing of latter machine.

} R.C. 25th March 1870 (No. 193)

The Actg. Collector
of Nellore is requested
to convey to the Rajah
of Venkatagherry the
thanks

Bank of Govern-
ment for his intro-
duction of a contrivance
for raising water hitherto
unknown in the Nellore
District. Mr. Master
will at the same time
call the Rajah's atten-
tion to the remarks of the
Honorary Secretary Govt.
Farm on the "Bucket
Pump" in paras 6 and
7 of his letter dated 26th
January 1870, No. 87.

I &c.

1 To the Agl. Collector of Nellore &c. &c. &c.
14 " The Board of Revenue with Duplicate
6 " the Honorary Proprietors

