M.R.O. 14—18,000—27-8-24

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No. 2990 — Press ~~Mis.~~

83-85

Dated 5 - 11 - 1866.

Not to be folded or roughly handled

Proceedings of the Madras Government, Revenue Department, 5th November 1866.

Read the following letters :—

No. 83. From the Acting Honorary Secretary to the Farm Committee, to the Chief Secretary to Government, Fort Saint George, dated Madras, 20th September 1866, No. 149.

1. I am directed by the Committee to submit their opinion, with reference to G. O. No. 2,359, Revenue Department, dated 5th September 1866, upon the Cotton cleaning machines sent to the Farm by the Government, in order to experiments being made with them.

2. The object of the Committee has been to ascertain which of the machines is best adapted for indigenous cotton.

3. The only one of them that can be advantageously used with this cotton, is Emery's machine. This instrument rarely clogs. Two men can work it, and it is very rapid. It cleans 10 lbs. of cotton in seven minutes, and discharges it tolerably free from grit, though portions of the husk and of the kernels of the seeds do adhere. The machine has great advantages as regards economy of space, and as it turns out the cotton in a coherent shape, it need not be worked in a closed room.

4. The other Saw Gin forwarded to the Farm is not so efficient as Emery's. It discharges the cotton in flakes, and therefore must be worked in a still atmosphere. The cotton is not more free from husks and kernels than that produced by the Emery's machine. The saws act well as long as they are unimpeded, but they frequently get clogged, and have to be freed from obstructions in the shape of seed or twisted cotton every few minutes. This defect may be owing to the teeth not being adapted to indigenous cotton, and it may be capable of rectification, but at present it is an insuperable drawback. The machine is set in motion by a leather band, working over a wheel independent of the machine, and it occupies therefore a larger space than Emery's machine. It also employs more labor. Three men being required, two to turn the wheel, and one to feed the machine.

5. The Treadle Gin has not been found adapted for indigenous cotton. It will not clean it at all. Neither will Platt's Gin, or Wanklyn's, or the Cottage Gin. All these instruments clog directly they are put in action by the unskilled labor the Farm affords. The Committee apprehend that they require a mechanic who understands their construction, to work them.

No. 84. From the Acting Honorary Secretary to the Farm Committee, to the Secretary to Government, Revenue Department, Fort Saint George, dated Madras, 4th October 1866.

In reply to your Memorandum this morning received, desiring to have the names of the Cotton Gins referred to in paragraphs 4 and 5 of my report upon the Gins at the Farm, I have the honor to state, that the large machine, corresponding to Emery's, is the Albion Saw Gin. The Treadle Gin is, I believe, Dr. Forbes's Dharwar Gin. The roller gins are Platt Brothers' and Wanklyn's fluted Gins. The Cottage Gin is by Jamieson, and is made for the Manchester Association.

No. 85. ORDER THEREON, 5th November 1866, No. 2,990.

Miscellaneous.

Ordered that the foregoing letters be recorded.

(True Extract.)

(Signed) J. D. SIM,
Secretary to Government.

To the Farm Committee.
Exd. S. T. Augustin.

Madras 20th September 1866.

From,

J. R. Cockerell Esqre

Hy Honorary Secretary to the
Farm Committee.

To,

The Honorable A. J. Arbuthnot

Chief Secretary to Government
Fort St. George

Sir,

I am directed by the Committee
to submit their opinion with reference to
G. O. No. 2359 Revenue Department, dated 5
September 1866, upon the Cotton cleaning
Machines, sent to the Farm by the Govern
in order to experiments being made with
them.

2. The object of the Committee has
been to ascertain, which of the Machines
is best adapted for indigenous Cotton.

3. The only one of them that can be
advantageously used with this Cotton, is
Emery's Machine. This instrument is rarely
clogs. Two men can work it, and it is very
rapid. It cleans 10 lbs of Cotton in 7 minutes,
and discharges it tolerably free from
grit, though portions of the husk and of the
Kernels of the seeds do adhere. The Machine
has great advantages as regards economy
of space, and as it turns out the Cotton in

a

a coherent shape, it need not be worked in a closed room.

4 The other Saw Gin forwarded to the Farm, is not so efficient as Emerys. It discharges the Cotton in flakes, and therefore must be worked in a still atmosphere. The Cotton is not more free from husks and Kernels than that produced by the Emerys Machine. The Saws act well as long as they are unimpeded, but they frequently get clogged and have to be freed from obstructions in the shape of seed or twisted Cotton every few minutes. This defect may be owing to the teeth not being adapted to indigenous Cotton, and it may be capable of rectification, but at present it is an insuperable drawback. The Machine is set in motion by a leather band, working over a wheel independently of the Machine, and it occupies therefore a larger space than Emerys Machine. It also employs more Labour. Three men being required, two to turn the wheel, and one to feed the Machine.

5 The treadle Gin, has not been found adapted for indigenous Cotton. It will not clean it at all. Neither will Platts Gin or Ware Klyns or the Cottage Gin.

Revenue Department.

No. 2990.

PROCEEDINGS of the MADRAS GOVERNMENT.

Under date the 5th. ~~October~~ Novr. 1866.

Read the following letters.

By

From the Honorary Secy to the Farm Committee submits his opinion on the working of the various cotton Machineries in the Govt. Farm. (Here enter 20th Sept/66 No 149)

From the Hony Secy Farm Committee Reporting the names of the Cotton Gins referred to in paras 4 & 5 of the foregoing report. (To be entered 4th Octr/66)

Ordered, that the foregoing letters be recorded.

b To the Farm Committee Dup Do

Pro. No 6-2-1038 5-7-66

Revenue 1866 Default
Pro of Govt for Nov.

No 2990

Pro of the Madras
Government
dt 5th November 66

Report of the
Sydapet Town Com-
mittee on the mon Co
ing of the Cotton Gins
recorded.

No 83 @ 8½