M.R.O. 14—13,000—27-8-24.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No. 3460 Press ~~Mis.~~

408.409

Dated 21 — 12 — ~~19~~ 1866

Not to be folded or roughly handled

wd

3460
21-12-66

No. 408. Read the following Proceedings of the Board of Revenue, dated 10th December 1866, No. 8,769:—

Read the following letter from the Collector of the Kistna District, to the Secretary to the Board of Revenue, dated Masulipatam, 24th November 1866, No. 388.

1. I have the honor, with reference to correspondence noted in the margin, to state, that the Rice Hulling Machine sent to this district has been erected and successfully put in action under the direction of Captain Smith and Lieutenant Coaker, R. E., at the Needumole Lock, on the Bezwada and Masulipatam Canal, eight miles from the latter place.

To Board, 26th September 1865, No. 177.
From Government, 19th Oct. 1865, No. 2,545.
Do. ,, 27th ,, ,, ,, 3,239.

2. On the 1st instant I went with Captain Smith and Lieutenant Coaker to Needumole, for the purpose of testing the mill.

3. The supply of water to the wheel was under perfect control, and the whole machine worked smoothly and well. After a few preliminary trials, two experiments against time, as detailed in the annexed Memorandum by Captain Smith, were made.

4. The second experiment, at a higher speed than the first, was the most successful in every way, and the rice turned out by it far cleaner than when the revolutions of the wheel were slower.

5. A sample of the rice so cleaned is forwarded by banghy.

6. I have engaged a man as Superintendent on 20 Rupees a month; he has been brought up in the Dowlaishweram Workshop, and is acquainted with the working of machinery; but there will be some difficulty at first in procuring a sufficiency of grain to be brought for hulling if it be retained under Government management. I have, therefore, accepted an offer from Messrs. Maiden & Co. to take the mill on probation for one month, on condition of their paying all the expenses, and giving free access to all comers to witness the working of the mill. Messrs. Maiden & Co. will also furnish a full report of the working expenses, &c., of the machine at the close of the month.

7. I may add that Captain Maiden, Master Attendant, has undertaken to exercise a general supervision of the work, and as he has had experience with machinery, his assistance will be very valuable; he will watch the first starting of the mill in person. The Executive Engineer, Lieutenant Coaker, will also occasionally visit it.

MEMORANDUM.

Time.	Measures of paddy.	Revolutions of stone.	Measures of rice.	Measures of Nuka, broken rice.
30 Minutes.	102	About 100 per minute.	47	14
31 ,,	133½	130	70	5

At less than 90 revolutions the fan works too slowly as at present arranged; at more than 130 the fan drives forward some of the small rice (nuka) and refuse, as

Proceedings of the Madras Government. Revenue Department,
21st December 1866.

...

...

...

...

(Signed) J. SMITH, Captain, R. E.

...

...

...

...

(True Extract)

(Signed) J. D. SIM.

Secretary to Government.

Rev. 1866. Department.

Proc. of Govt. for Dec. P.

No. 4470.

PROCEEDINGS OF THE BOARD OF REVENUE,

Dated 10th December 1866.

Read 13 - Dec —

Rec'd 14th

C. I. Rice.

Further Proceedings of the Board of Rev. C. No. 1403 of 1867.

No. 8,769.

ak. 1460-21 Dec.

Submitting report from Collector of Kistna district on working of Rice Hulling Machine erected at Noedumole Lock, approving proceedings of Collector in accepting Messrs Maiden and Co's offer to take the Mill on probation for one month, and awaiting further report from Collector on subject.

Rec'd 28th April 65 Sec. 346-7
Feb — — — 13-14
No. 3460.

The Collector's arrangements are approved. The Board wish to have the working of the Machine tested comparatively with manual labor. The Collr will report the result

21st December 65

Letter from the Collector, dated 1st December 1866, No. 3,460.

Enclosures

1. The Collector's arrangements are approved. The Government would wish to have the working of the machine tested comparatively with manual labor. The Collector will report the result of the trial made, and of the other Rice Hulling Machines received from England.

2. The Board are requested to report what has been done with the other Rice Hulling Machines received from England.

(True Extract)

(Signed) J. D. SIM.

Secretary to Government.