M.R.O. 1—39,000—16-10-29.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No. 529 Press ~~Mis.~~

27

Dated 1st March ~~19~~ 1869

Not to be folded or roughly handled

No. 26. From the Honorary Secretary, Government Farm, to the Acting Secretary to Government, Revenue Department, Fort St. George, dated Madras, 19th January 1869, No. 106:—

1. In my letter of July 7th, 1868, embodied in Proceedings of Madras Government of July 11th, 1868, I stated that the improved Bucket Pump only raised twenty-five buckets, per minute, instead of thirty-two, as was expected.

2. I have now the pleasure to state, that the result of further trials, shews, that the improved pump does raise thirty-two buckets per minute, if the bullocks are driven at the speed required to raise sixteen buckets per minute, with the original pump.

3. The annexed Comparative Statements, shew the difference between the two pumps; also between Pecottahs, and the improved Pump.

	Original Pump.	Improved Pump.
Buckets raised per minute	16	32
Number of gallons in each bucket	4	4
Gallons raised per minute	64	128
	60	60
Do. per hour	3,840	7,680
	8	8
Do. per day of 8 hours	30,720	61,440

4. The cost of both old and new pumps is the same, and the cost of working them the same, viz.:—

	Rs.	A.	P.
Cost price of pump about	500	0	0
Bullock and harness about	200	0	0
	700	0	0
Allow for net wear and tear, 15 per cent., per month.	8	12	0
Keep of bullocks and driver...	22	0	0
	30	12	0
A pecottah costs on the other hand.			
Three men monthly	15	0	0
Wear and tear...	1	0	0
	16	0	0

A Pecottah can only raise 5,850 Gallons from the same depth, (18 feet) in the same time. The improved pump is therefore equal to $10\frac{1}{2}$ Pecottahs.

Monthly cost of $10\frac{1}{2}$ Pecottahs at Rupees	16	0	0	each
	10	8	0	
	168	0	0	
Deduct monthly cost of pump	30	12	0	
Balance in favor of pump	137	4	0	

or, to take it in another form, a pecottah can raise about 11,000 Gallons from a depth of eighteen feet for 1 Rupee, while the improved pump can raise about 61,500 Gallons at the same cost, from the same depth.

5. As the Statement in my former letter sent to the Bombay Government with the model, is incorrect, I beg to suggest, that a copy of this letter be also sent.

(True Copy.)

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

Ord. G. A. Turton.

REVENUE DEPARTMENT,
FORT ST. GEORGE,
1st March 1869.

No. 529.

No. 27.
To

THE CHIEF SECRETARY TO THE GOVERNMENT
OF BOMBAY,

SIR,

Miscellaneous.

With reference to my letter dated 11th July 1868, No. 1,939, I am directed to forward herewith, for the information of the Government of Bombay, copy of the letter from the Honorary Secretary to the Sydapet Farm, dated 19th January 1869, explaining more accurately the advantages of the Bucket Pump.

I have the honor to be,
Sir,
Your most obedient servant.

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

Ord. G. A. Turton.

1st Branch/69 3 D

3 Copies Despatched

Revenue Department.

No. 529.

To,

The Chief Secretary to the
Government of Bombay

Sir,

With reference to
my letter dated 11th July 1868,
No. 1939, I am directed
to forward herewith
for the information
of the Govt of Bombay,
copy of the letter from
the Honorary Secretary
to the Sydapet Farm,
dated 19th January 1869,
explaining more
accurately

GOVT. CENTRAL PRESS, BOMBAY.

REVENUE.

To

THE CHIEF SECRETARY TO THE GOVT.
OF BOMBAY.

Dated March 1st

Read.

G. O., 1st March 1869, No. 529.

MARCH.

No. 27.

Forwarding for information copy of a letter from the Honorary Secretary to the Sydapet Farm explaining more accurately the advantages of the Pocket Farm.

accurately the
advantages of the
Bucket Pump. —

Sam'l Hall



To Benedict Gist

Patent about the Buckeye Patent.