

(1) Number of Pages.....4(2) Date of repair.....25.3.69(3) Initials of the Referencer.....15.4.69**MADRAS RECORD OFFICE****GOVERNMENT OF MADRAS***R**Revenue*

DEPARTMENT

G.O. No.

880

Press

B.P. No.

Mis.

Dated

30. 6. 1876 196 .*Not to be folded or roughly handled*

No. 322. Read the following Proceedings of the Board of Revenue, dated 13th June 1876, No. 1,547:—

Read the following letter from Major P. MONTGOMERIE, R.E., Officiating District Engineer, Presidency, to C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated Fort St. George, 18th May 1876, No. 784.

With reference to the Proceedings of the Board of Revenue of the 5th April and 15th instant, I have the honor to report, for the information of the Board, that I inspected M. DeClosets' model of a windmill and pump on the 22nd of April, but as I was unable to satisfy myself as to the practical utility of the invention from so small a model, I had intended going out to Ennore to examine a full-sized apparatus which M. DeClosets informed me is now working there; but I regret that my time is so much taken up in my own district that I shall not be able to go so far.

2. M. DeClosets' apparatus differs from an ordinary windmill by having its sails (which exactly resemble the main sails of a small boat) working in a horizontal plane instead of in a vertical one; in fact, it is as if masts and sails were placed on an ordinary "merry go round" instead of the riders, the sails exerting the motive power instead of receiving it as the riders on the toy do.

3. I have never had any personal experience of windmills, but from what I saw of this model I have no doubt that in the full-sized apparatus, if the machinery can be kept in hand, it will work the pumps all right so long as the sails have not flapped themselves into shreds through the perpetual jibing and tacking they have to perform; this excessive wear and tear on the apparatus will, I apprehend, be the principal objection against M. DeClosets' invention. The comparative pumping by means of M. DeClosets' apparatus as compared with an ordinary windmill can, however, only be ascertained from actual experience, and as there is no doubt that some sort of apparatus for utilizing the sea-breezes along the coast in pumping water for the salt-pans would be of the greatest importance to supplement, although it may not entirely supersede, manual labor, I would recommend the trial of an ordinary windmill such as could be constructed at the Public Works Workshops with one of M. DeClosets' apparatus in the same locality. The assistance of some practical mechanic would, I think, be indispensable in the first instance.

Communicated to the Superintendent of Government Farms, who is requested to state whether the wind-engine formerly in use on the Government Farm is still in working order. Mr. Robertson should also report, for the information of the Board, whether, in his opinion, the machine proved successful.

(A true Copy and Extract.)

(Signed) E. GIBSON,
Acting Sub-Secretary.

No. 323.

ORDER THEREON, 30th June 1876, No. 880.

Miscellaneous.

Communicated to the Public Works Department.

2. The Government will await the Board's further report.

(True Extract.)

(Signed) D. F. CARMICHAEL,
Secretary to Government.

To the Public Works Department.
" the Board of Revenue.

Exd. F. R. Bantleman.

No. 1,547.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 13th June 1876.
Read the following letter from Major P. MONTGOMERE, R.E., Officiating District Engineer, Presidency, to the C. A. GALTON, Esq., Acting Secretary to the Board of Revenue, dated Fort St. George, 18th May 1876, No. 784:—

With reference to the Proceedings of the Board of Revenue of the 5th April and 15th instant, I have the honor to report, for the information of the Board, that I inspected M. DeClosets' model of a windmill and pump on the 22nd of April, but as I was unable to satisfy myself as to the practical utility of the invention from so small a model, I had intended going out to Ennore to examine a full sized apparatus which M. DeClosets informed me is now working there; but I regret that my time is so much taken up in my own district that I shall not be able to go so far.

2. M. DeClosets' apparatus differs from an ordinary windmill by having its sails (which exactly resemble the main sails of a small boat) working in a horizontal plane instead of in a vertical one; in fact it is as if masts and sails were placed on an ordinary "merry go round" instead of the riders, the sails exerting the motive power instead of receiving it as the riders on the toy do.

3. I have never had any personal experience of windmills, but from what I saw of this model I have no doubt that in the full sized apparatus, if the machinery can be kept in hand, it will work the pumps all right so long as the sails have not flapped themselves into shreds through the perpetual jibing and tacking they have to perform; this excessive wear and tear on the apparatus will, I apprehend, be the principal objection against M. DeClosets' invention. The economy of pumping by means of M. DeClosets' apparatus as compared with an ordinary windmill can, however, only be ascertained from actual experience, and as there is no doubt that some sort of apparatus for utilizing the sea-breezes along the coast in pumping water for the salt-pans would be of the greatest importance to supplement, although it may not entirely supersede, manual labor, I would recommend the trial of an ordinary windmill such as could be constructed at the Public Works Workshops with one of M. DeClosets' apparatus in the same locality. The assistance of some practical mechanic would, I think, be indispensable in the first instance.

COMMUNICATED to the Superintendent of Government Farms, who is requested to state whether the wind-engine formerly in use on the Government Farm is still in working order. Mr. Robertson should also report for the information of the Board, whether, in his opinion the machine proved successful.

(A true Copy and Extract.)

Acting Sub-Secretary.

To the Superintendent of Government Farms, with copy of Board's Proceedings, dated 15th May 1876, No. 1,262.

Copy to the Officiating District Engineer, Presidency.
„ the Secretary to Government, Revenue Department.
„ the Collector of South Arcot.
„ J. J. L. Ratton, Esq., M.D., on special Salt duty.

Exd. W. H. French.

Govt. of 1876

REVENUE.

THE PUBLIC WORKS DEPARTMENT.

to, Co., do.

dated June, 30th.

Recd.

Encl.

G.O., 80th June 1876, No. 880.

JUNE.

No. 322-323.

Wind-engine formerly in use on the Government Farm. Communicated to Public Works Department. Board's Proceedings requesting Mr. Robertson to state whether the — is still in working order, and whether, in his opinion, the machine proved successful.



all around the
Oyster bar when
of 16 1867

Board of Revenue,
MADRAS.

Autumn 1876. Draft

PROCEEDINGS, 13TH JUNE 1876, No. 1,547.

Dec 19 1906.
Encl.

Received 24 June 1955

JUNE.
No. 1, 547.

W ind-engine—formerly in use on the Government Farm.—Requesting Mr. Robertson to state whether the — is still in working order, and whether, in his opinion, the machine proved successful. *Oct 8³⁰*
Dear Mr. Robertson, to the above
works itself.

C-26: June 96 CP 29-June 20. 676 208 mm 1779