M.R.O. 14—13,000—27-9-24.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No. 1592 Press / ~~Mis.~~

319.821

Dated 31-8-~~19~~18.63

Not to be folded or roughly handled

Proceedings of the Madras Government, Revenue Department, 31*st August* 1863.

Read the following letters:—

No. 319. From W. J. CARMENT, Esq., Assistant Locomotive Superintendent, Madras Railway Company, to the Chief Secretary to Government, Public Works Department, dated Madras, 28th July 1863.

SIR,

1. I have the honor to submit to you herewith a sketch of a simple and easily constructed machine for sifting grain, with a written description of the same.

2. My attention has been directed to the want of agricultural machinery in this country, by the publication in the local papers of a Minute by His Excellency the Governor on the subject.

3. I would be glad to supply at a reasonable price working drawings of the abovementioned machine, also of threshing machinery, worked by either bullock, water, or steam power; light ploughs made chiefly of wood and capable of being worked by two or four bullocks; and wind mills for raising water and other purposes.

4. If Government should desire it I will be glad to enter into an engagement to construct these machines, and to teach the method of working them at a fixed salary.

No. 320. From W. J. CARMENT, Esq., Assistant Locomotive Superintendent, Madras Railway Company, to J. D. SIM, Esq., Secretary to Government, Revenue Department, Fort Saint George, dated Perambore, 11th August 1863.

SIR,

In reply to your Official Memorandum No. 167 of 8th instant, I have the honor to inform you that sieves can easily be fitted to my sifting machine, and that the roller may in that case be dispensed with. I shall be glad to furnish you with details and estimate if desired; my charge for doing so will be Rupees (100) one hundred.

No. 321. ORDER THEREON, 31st August 1863 No. 1,596.

The Government are not prepared to pay Rupees one hundred for the preparation of a mere estimate; but if Mr. Carment will state the cost of making up a machine of the kind, sieves being substituted for the roller, they will have no objection to authorize his proceeding with the work provided the charge is not heavy.

(True Extract.)

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

To W. J. Carment, Esq.

Exd. S. T. Augustin.

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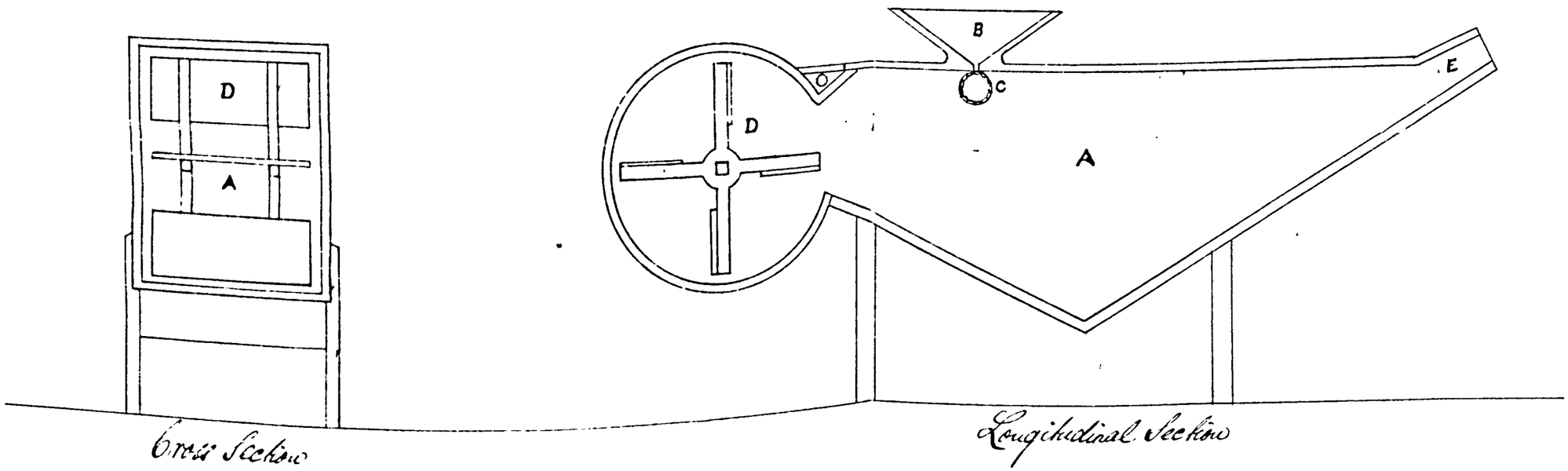
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$D_{av} = 1.8 \pm 0.3$

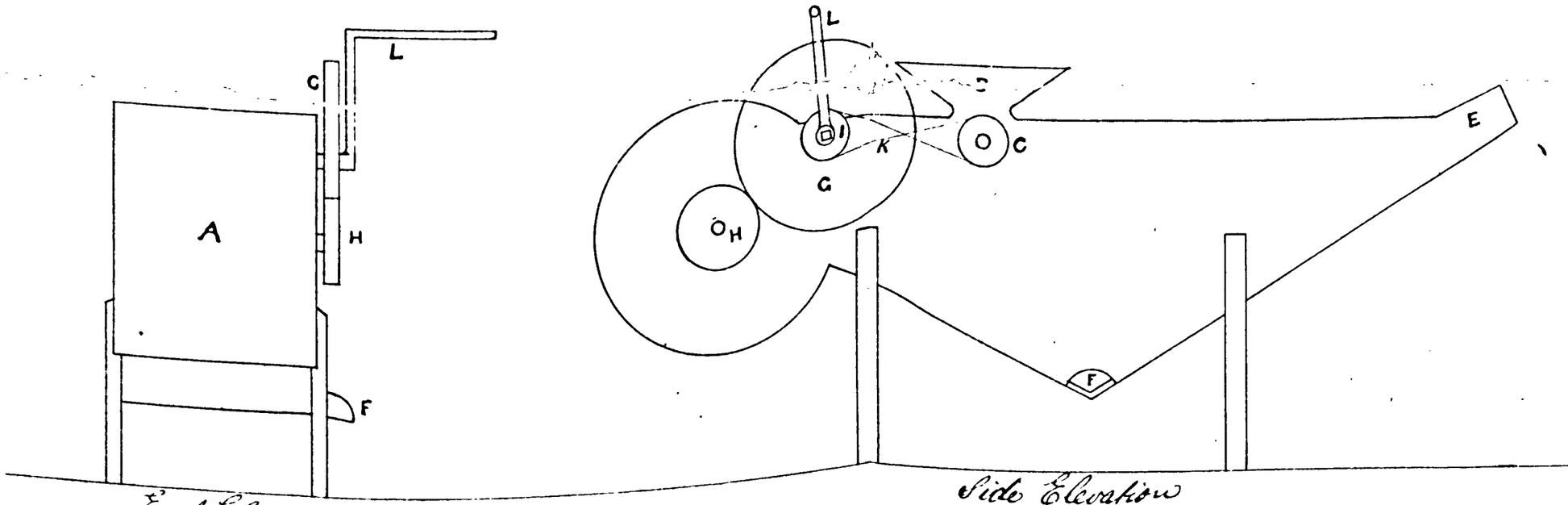
Machine for Sifting Grain

Scale 1 in. = 1 Foot



Cross Section

Longitudinal Section



End Elevation

Side Elevation

J. Carnaud
23 July 1863

Description of Machine for Sifting Grain —

A. Is a wooden box

B. The Hopper into which the Grain is thrown

C. A fluted roller which regulates the fall of the Grain thro' the hopper B.

D. The fan which being made to revolve at a high speed sends a strong current of air thro' the box A. by which the chaff and other light substances mixed with the grain are blown out thro' the Orifice E.—

E. The Orifice thro' which the chaff is blown

F. The outlet for the cleaned grain —

G.H. A pair of wheels by which motion is communicated to the fan from the crank handle L. The peripheries of these wheels are to each other as 4. to 1. so that when the crank handle is worked at the rate of 50. revolutions per minute, the Fan will make 200. revolutions in the same time.—

I. A pulley attached to the centre of the wheel G. from which motion is communicated to the Roller C. by means of the cord K.

L. A crank handle to be worked by hand.- Machines similar to this in principle were commonly used for cleaning corn in Scotland about 20 years ago: but they are now superseded by the introduction of steam or water power threshing Machines to which a winnowing Machine or "Fanners" is always attached and worked by the same power

This Machine seems to be specially adapted to the wants of the Agricultural Classes of India — It is made almost entirely of wood — even the wheels may be made of wood, where iron is not easily got.— It is so simple that any smart native carpenter could make it, if the necessary iron work were supplied to him.— And it is light enough to be easily carried on a bullock bandy.—

This is a device for winnowing machine
What would it cost — could not the
flutted roller be dispensed with and
a sieve or two substituted?
Tarcentays probable cost.

My dear Alexander

Please show
the enclosed to Sir
William — I think it
he may like to see that
the writer has in
him — yet a Threshing
Machine & the
Banking, he talks of
posting

Adieu I D Fanshawe

Rec'd 1860

60 - 8

61 — 2

Penang
11 August 1865.

To
J. D. Sim Esq.
Secty. to Govt.
Revenue dept.

Sir

In reply to your Official Memo. No. 1677 8th Inst. I have the honour to inform you that sieves can easily be fitted to my Sifting machine and that the roller may in that case be dispensed with. I shall be glad to furnish you with details and estimate if desired. My charge for doing so will be Rs (100) One hundred

I have the honour to be
Sir your mos obedt. Svt

W. H. Carmichael

59-4
60-8

No 1825 of 1863

Revenue 1863 Sept 6
Proceedings for Study
No 1956.

From
W. J. Carment Esqr

United 11th Sept.
Recd 20th 1863
JP.

No 1892 5th Sept

States that sieves can easily be filled to his Sifting Machine instead of the roller.

13321.

27 Augt 63 Rep

Revenue Department.

No 1592.

Proceedings of the Madras Government

Under date the 31st August 1863.

Read the following Papers

From Mr J. Carment

Submitting sketch of a simple and easily constructed machine for sifting grain, with a written description of the same; and offering to supply at a reasonable price certain other machines if Government should desire them.

(Here enter 28th July 1863)

From ——— Do ——— Do ———

States that sieves can easily be filled to his sifting Machine instead of the roller.

(Here enter 11th August 1863)

The Government are not prepared to pay Rupees one hundred for the preparation of a mere estimate but if Mr Carment will state the (proba) (ble) cost of making up a machine of the kind, sieves being substituted for the rollers they will have no objection to authorize

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the work provided the charges
is not heavy.

C. G. W

1 Copy to W. J. Carmen, Esq. & Capt. C. Gill

Revenue 1863 Dept.
No. of Govt for Augt.

C.F. 1592.

No. of the Madras Govt
Dy 31st Augt 63.

No. 244-247
13-7-63

Mr W. J. Carmichael
offers to supply Machines
for lifting granulated
moderately hot melted
ores therein.

C. 27 Aug 1863