

MADRAS RECORD OFFICE.

Government of Madras.

Revenue DEPARTMENT.

G.O. No. 537	Press ~~Mis~~
48-49	
Dated	4 - 4 - 1864

Not to be folded or roughly handled

*Proceedings of the Madras Government, Revenue Department,
4th April 1864.*

No. 43. Read the following Proceedings of the Madras Government in the Military Department :—

Communicating a letter from the Agent, Remount Depot at Oosoor, reporting when he will be able to carry out the measures suggested by His Excellency the Governor regarding the introduction of Agricultural Implements in India.

(Here enter 16th March 1864, No. 913.)

No. 49. ORDER THEREON, 4th April 1864, No. 557.

The Government await the receipt of the Report from the Remount Agent at Oosoor called for in paragraph 1 of their Order dated 1st March 1864, No. 427. They resolve, however, to call upon him in the meanwhile, through the Military Department, to explain fully why the proposals made in paragraph 24 of His Excellency the President's Minute recorded in the Order of Government dated 6th November 1863, No. 1,934, cannot be carried out this year (1864).

(True Extract)

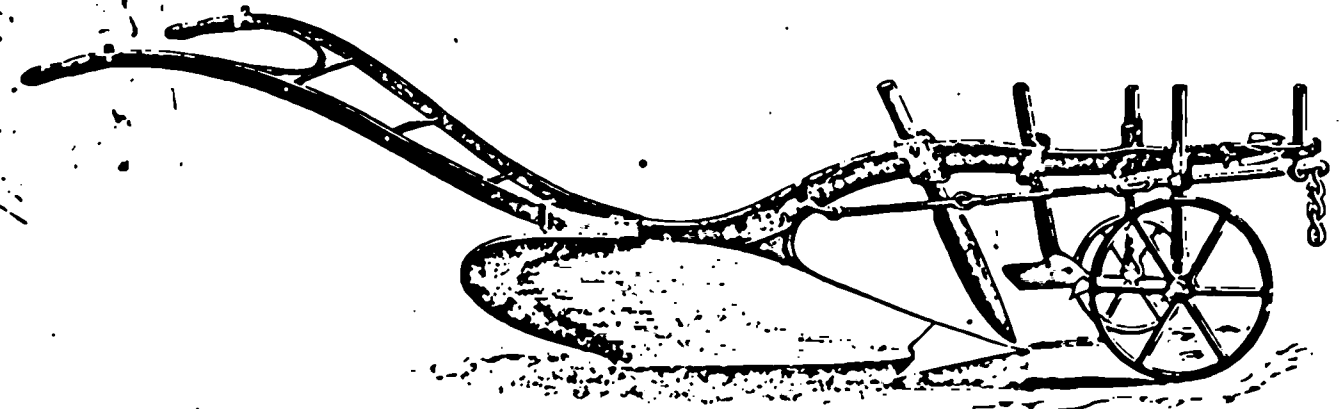
(Signed) J. D. SIM,

Secretary to Government.

To the Military Department.

Exd. S. T. Augustin.

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HOWARDS' PATENT IRON PLOUGH, MARKED H H H

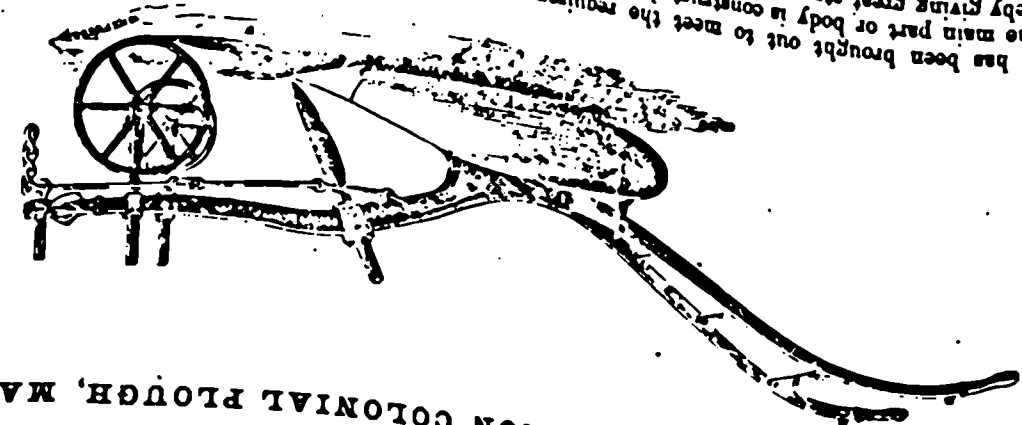


This Plough is similar in principle to the last, but much larger, and is intended only for extra deep or *trench* ploughing with four or six horses. Every part is made very strong, so as to resist large stones or roots, and it will be found well adapted for colonial purposes where new land has to be brought into cultivation. It may also be fitted with a breast for ploughing at two deep furrows previous to draining.

	£	s.
Price	6	0 0
Sh. m coulter	0	8 0
Drag chain	0	2 0

If fitted with Steel Breast or mould-board, highly recommended, especially for adhesive soil, 15s. extra. Steel side cap, 6s. extra.

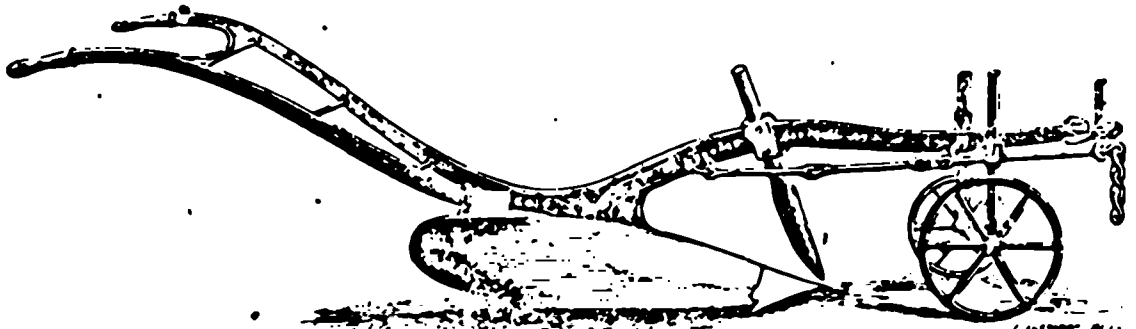
HOWARDS' PATENT WROUGHT IRON COLONIAL PLOUGH, MARKED H



This Plough has been brought out to meet the requirements of Colonists in breaking up and bringing new land into cultivation. The main part or body is constructed of a patent double wrought iron ribbed frame, which embraces the beam on both sides, thereby giving great strength with little weight. It is well adapted for ploughing up and abounding with roots or stones, and where ploughs of the ordinary kind are not found to stand. From its peculiar construction, it is strong enough for six horses, and at the same time light enough for a pair.

Price, as above £ 7 6
 Price, as a swing plough with long handles and short beam 6 0 0
 Price, as a mould-board, highly recommended, especially for adhesive soil, 7s. 6d. extra. 0 2 0
 If fitted with Steel Breast or mould-board, highly recommended, especially for adhesive soil, 7s. 6d. extra. 0 2 0

HOWARDS' PATENT WROUGHT IRON COLONIAL PLOUGH, MARKED H H



This plough is exactly on the same principle as the above, but is a size larger and is intended for deeper cultivation.

Price, as above	£ 12 6
Price, as a swing plough with long handles and short beam	6 5 0
Price, as a mould-board, highly recommended, especially for adhesive soil, 7s. 6d. extra.	0 5 0
Drag chain	0 2 0

If fitted with Steel Breast or mould-board, highly recommended, especially for adhesive soil, 7s. 6d. extra.

Steel side cap, 2s. 6d. extra.

HOWARDS' PATENT IRON DWARF PLOUGH,
MARKED D



This Plough is intended to be worked by a small horse or bullock. It is adapted for the light land of the Continent, for stirring loose soil, and for any kind of shallow ploughing where the draught is easy.

Price, as above £ 4. 4.
3 6 0

If fitted with Steel Breast or mould-board, highly recommended, especially for adhesive soil, 5s. extra. Steel side cap, 2s. extra.

HOWARDS' PATENT IRON DWARF PLOUGH,
MARKED D D



Similar to the above, but rather larger. It is intended to be worked by one horse, and is recommended as a very useful little implement.

Price, with one wheel £ 4. 4.
Price, with two wheels 3 16 0
If with wrought iron body 3 6 0
If with cast iron body 0 5 0
If with cast iron body 0 5 0

If fitted with Steel Breast or mould-board, highly recommended, especially for adhesive soil, 5s. extra. Steel side cap, 2s. extra.

MILITARY DEPARTMENT.
PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter :—

From the Agent for Remounts, Remount Depot, Oossoor, 7th March 1864, No. 474; to the Secretary to Government, Military Department, Fort Saint George.

In compliance with Government Order, No. 1994, dated 6th November 1863, I have the honor to inform you that from circumstances unforeseen when His Excellency penned his Minute, dated 1st October 1863, it does not appear that it will be in my power to carry out this year, the measures proposed in paragraphs 23 and 24, on which I have been called to report.

2. At that date His Excellency perhaps was under the impression that the Agricultural Implements he alluded to in his Minute, would have been at the Depot in sufficient time to have brought them into use, and had such been the case, no doubt the arrangements could have been carried out in June and December, but as they have not yet been received, I fear the proposition must be allowed to stand over till next year.

3. His Excellency is aware that I commenced my farming operations last year with, but one large plough that had been in the Depot since 1837, and was consequently without any of the recent improvements now in general use, but with this, I was enabled to plough a field of 13 acres, and give such instruction and practice to three of my native servants, that each was able to plough very fairly, whilst at the same time driving his pair of horses, but by the time I had advanced so far, the season for ploughing had passed, and my plough was worn out beyond repairs. The experience gained has however placed beyond a doubt the fact that with a plough sufficiently light and handy, for the bodily powers of a Native Ryot, and his bullocks, and such can be, and I believe are in use in England, farming operations can be wonderfully improved in India. I may add also that the natives in the Depot have become perfectly conversant with the use of forks, rakes, and wheel-barrow, and use them always in preference to their hands and heads, and even this is a considerable advance in civilization.

4. It may not be out of place here, to bear out by my own experience, the opinion of His Excellency as stated in paragraph 21 of his Minute under reply, during the time my ploughing was being carried on, crowds of natives of all classes were constantly coming into the field, and examining with the greatest care the plough, and its operations, and all agreed that of the advantages in cultivation, there was not a doubt, the expense of purchasing and keeping the horses, and the difficulty to them, of breaking them in, and managing them, being the only obstacle, but we know these objections can be removed, by introducing the light and simple dwarf plough, now so extensively used in England, which is capable of being worked, (the advertisement says) by one horse or bullock, and if by one English bullock, why not by a pair of Indian ones.

5. During the past few days I have had an English three-horse Thrashing Machine, and a hand Winnowing Machine at work, and Natives are coming from villages many miles away to inspect their operations. The rapidity and perfection of the work of the Thrashing Machine, appears to astound them, they can hardly realize it, and quite look on it as beyond their reach, from its to their complicated Machinery, and its requiring three horses, and so much care in oiling and working, but still they anxiously watch the results, and see it fed and tended, entirely by Natives (under European supervision) and one lad driving the three horses.

6. The Winnowing Machine takes their fancy more than the Thrashing Machine, I presume, because it appears a possibility for them to possess and work one without European assistance. I have frequently been asked the price of it, and if it could be repaired here, and how long one would last, and other questions of this nature, shewing that the possession of such an implement was working in their mind, and even this I look upon as a good sign of advancement, and I have perfect confidence in their gradual introduction, from their simplicity, efficiency, and inexpensiveness, not to a single Ryot, but to a Village, as a joint stock concern for the use of all. The Thrashing Machine, I think, I shall be able to shew at work in a little time with three pairs of

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their own bullocks instead of three horses—but it can never become generally in use with Ryots there is however no reason why the Rajahs and Zamindars, holding large tracts of land, should not have them, as they could when not using them for their own grain, hire them out to their neighbours, as is done in England with Steam ploughs and other expensive implements.

7. To show the idea entertained of Machinery, even by intelligent and wealthy natives, I may mention that on my shewing the Thrashing and Winnowing Machines at work, to one of the largest, and most respectable of my dealers, now here from Khilat, and telling him he should explain all about them to his countrymen on his return home, he replied "what would be the use of that, they would only say I had become a great liar by my travelling, so I will say nothing about them."

8. In conclusion, I beg leave to forward an advertisement of Howards' patent iron dwarf plough, marked D, which is the one I alluded to in the 4th paragraph of this letter, and which I shall feel obliged by your returning when no longer required.

Order, No. 913, 16th March 1864.

Communicated to the Revenue Department, with reference to Proceedings of Government, in that Department, No. 1994, dated 6th November 1863.

(True Extract.)

M. A. S. S. S.
Secretary to Government.

To the Revenue Department,

with an enclosure (to be returned.)

Remount Agent, Ootacoor.

Exd. W. Regel.

meanwhile

Revenue Department.

N^o 57

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Proceedings of the Madras Government.
Under date the 4 April 1863.

Read the following
Proceedings of the Madras
Government in the Military
Department.

Communicating a letter
from the Agent, Remount
Dept. at Coimbatore, reporting
when he will be able to carry
out the measures suggested
by His Excellency the Governor
regarding the introduction of
agricultural implements in
India.

(Here enter 16th March 1863
N^o 913.)

The Government
await the receipt of the
report from the Remount
Agent at Coimbatore called
for in para 1 of their
order dated 1st March
1864, N^o 427. They re-
solve, however, to call
upon him in the
meantime

No 16 March 1863

No 1864 - 913
No 913

Proceedings of
the Madras Govt
in the Military
Dept.

Placed 16th 3rd 1864
Revenue 19th 1863.

No 913.

No 1864 - 913

Communicating

Letter from the Agent, Remount
Dept. at Coimbatore, reporting
when he will be able to carry
out the measures suggested
by His Excellency the Governor
regarding the introduction of
agricultural implements in
India.

Placed on Order

Placed on Order
I think a reference should be made to the various
agents to ascertain why the communications in
March 1864, N^o 194, should not be
carried out. - 1864 - 913

1864 N^o 427

1864 N^o 427

Revenue 19th 1863

of the order of Govt in the

Revenue 19th 1863

from the Remount Agent at

Coimbatore for in para 1

of the order of Govt in the

Ordered to be carried out

No 913

1864 N^o 427

Revenue 19th 1863

of the order of Govt in the

Revenue 19th 1863

from the Remount Agent at

Coimbatore for in para 1

of the order of Govt in the

Revenue 19th 1863

1864 N^o 427

Placed on Order

Placed on Order

Placed on Order
I think a reference should be made to the various
agents to ascertain why the communications in
March 1864, N^o 194, should not be
carried out. - 1864 - 913

meanwhile, through
the Military Depart-
ment, to explain fully
why the proposals
made in paragraph
24 of His Excellency
the President's Minutes
recorded in the order
of Government dated
6th November 1863, as
N^o 1994 cannot be carried
out this year (1864).

[Signature]

*1 Copy to the Military Dept.
Perp. 5. 1864*

Revenue 1864 Sept 11th
No. of Gov. for Sept

No 557

No. of the election for
Sept 4th April 1864.

Sept 12, 21, 22, 23, 24
No 240-241

Sept 11th
Sept 12th
Sept 13th

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The Revenue

Sept 12th Sept 13th Sept 14th
Sept 15th Sept 16th Sept 17th
Sept 18th Sept 19th Sept 20th
Sept 21st Sept 22nd Sept 23rd
Sept 24th Sept 25th Sept 26th
Sept 27th Sept 28th Sept 29th
Sept 30th

No 48 49