

(No Model.)

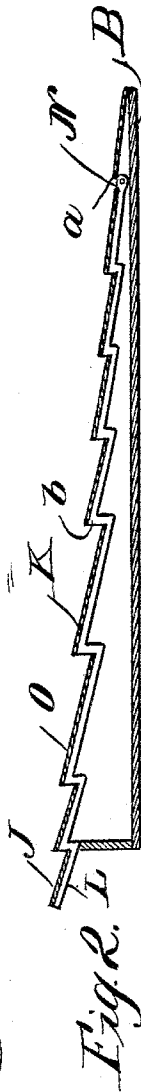
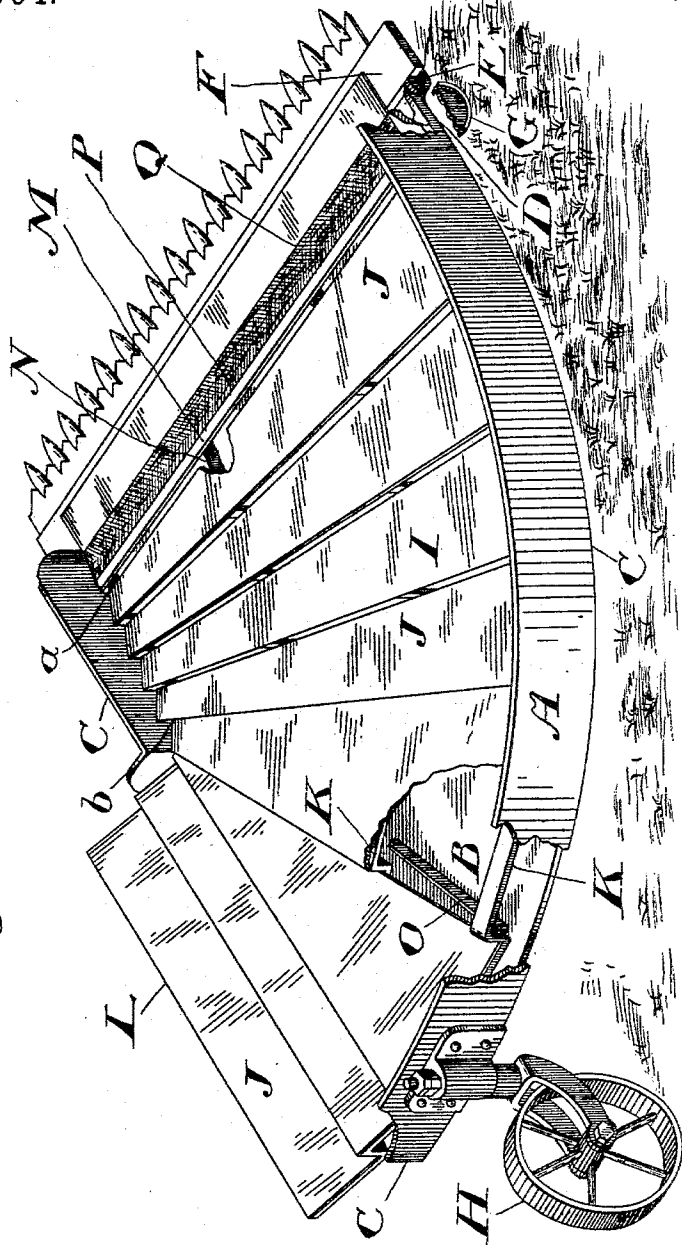
D. McARTHUR.

CLOVER SEED TABLE ATTACHMENT FOR MOWERS.

No. 584,094.

Patented June 8, 1897.

Fig. 1.



Witnesses

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UNITED STATES PATENT OFFICE.

DONALD MCARTHUR, OF MANILLA, CANADA.

CLOVER-SEED-TABLE ATTACHMENT FOR MOWERS.

SPECIFICATION forming part of Letters Patent No. 584,094, dated June 8, 1897.

Application filed January 16, 1896. Serial No. 575,738. (No model.) Patented in Canada December 6, 1895, No. 50,761.

To all whom it may concern:

Be it known that I, DONALD MCARTHUR, of the village of Manilla, in the county of Ontario and Province of Ontario, Canada; have invented a certain new and Improved Clover-Seed-Table Attachment for Mowers, (for which Canadian Letters Patent No. 50,761 were granted to me on December 6, 1895,) of which the following is a specification.

The object of my invention is to devise a clover-seed table which will perfectly separate loose seed from the cut clover and which will not catch the teeth of the rake used in dumping; and it consists, essentially, in forming the false bottom of the table of a series of inclined triangular pieces so arranged that loose seed falling on any piece is discharged under the piece next in front into the chamber formed by the real bottom and the side walls, the whole being constructed in detail substantially as hereinafter more particularly described, and then definitely claimed.

Figure 1 is a perspective view of a clover-seed table provided with my improvements. Fig. 2 is a section of the seed-table.

A is the clover-seed table, preferably of quadrantal form and comprising the bottom B and the side walls C. The front edge of the bottom B has lugs D connected thereto, which are suitably pivoted to lugs E, formed on or connected to the rear side of the finger-bar F. Only one set of these lugs is seen in the drawings, but it will be found advisable to use at least three—one at each end and one in the middle.

G shows a portion of the ground-wheel of the finger-bar.

H is a caster-wheel of ordinary construction suitably pivoted at the rear of the table A.

I is the false bottom of the table, formed of a series of triangular or trapezoidal inclined pieces J, supported on ribs K, suitably shaped to give the pieces J the proper inclination. It will be noticed that while the whole false bottom rises gradually from the front of the table toward the rear the inclination of each succeeding piece J is greater than that of the piece in front of it, as shown at *a b*, Fig. 2. It will be seen that the last piece J extends beyond the side wall C at the discharge side L of the table, so as to deliver the cut clover on the ground clear of the table.

M is the inclined stationary front of the false bottom.

N are lugs on which the ends of the ribs K are pivoted, as shown. Owing to this pivoted connection the whole false bottom may be swung upwardly and held in position by means of an arm O, pivoted to one of the ribs K, and which may be of such a length as to hold the false bottom at a suitable height.

P is an apron of textile material connected to a metal bar Q, fast to the finger-bar F. This apron serves to bridge the gap between the clover-seed table A and the finger-bar, and thus prevents any seed falling between the two.

Owing to the serrated shape of the false bottom of the table it follows that the clover on the table rests principally on the upper edges of the pieces J, leaving triangular spaces beneath the clover, thus giving the loose seed a much better opportunity of falling from the clover than when it is resting flat on slats with only narrow spaces between them. The inclination of the pieces J also permit the seed to roll readily down onto the bottom B of the table. This peculiar construction also renders it impossible for the teeth of the rake used in dumping to become caught on the edges of the pieces, as when drawn across the table its teeth jump from the upper edge of one onto the other clear of the lower edge of the same.

The clover is raked from the table over the end piece J at the discharge side L of the table, where it is out of the way of the horses' feet when cutting the next swath. The seed which collects on the bottom B may be removed at suitable intervals by means of a scoop or shovel.

From the above description it will be seen that I have constructed a clover-seed table which will save a much greater proportion of seed than any now in use and which is not liable to catch the teeth of the rake used in dumping, and which is exceedingly simple in construction.

What I claim as my invention is—

1. A clover-seed table for attachment to a mower, comprising the bottom B; side walls C; caster-wheel H; false bottom I, formed of the inclined triangular or trapezoidal pieces J secured to the ribs K, and the inclined sta-

tionary front piece M, substantially as and for the purpose specified.

2. A clover-seed table for attachment to a mower, comprising the bottom B; side walls C; caster-wheel H; false bottom I, formed of the inclined triangular or trapezoidal pieces J secured to the ribs K and hinged to the inclined stationary front piece M, substantially as and for the purpose specified.

3. A clover-seed table for attachment to a mower, comprising the bottom B; side walls C; caster-wheel H; false bottom I, formed of the inclined triangular or trapezoidal pieces J secured to the ribs K hinged to the inclined stationary front piece M, and the pivoted arm O, substantially as and for the purpose specified.

4. A clover-seed table for attachment to the finger-bar of a mower having a false bottom

composed of inclined pieces, the inclination of each succeeding piece being greater than that immediately preceding it, substantially as and for the purpose specified.

5. A clover-seed table for attachment to a mower, comprising the bottom B; side walls C; caster-wheel H; false bottom I, formed of the inclined pieces J secured to the ribs K, hinged to the inclined stationary front piece M, and the apron P connected to the finger-bar and bridging the gap between the cutter-bar and the table, substantially as and for the purpose specified.

Maui, January 9, 1896.

DONALD McARTHUR.

In presence of—

T. H. GLENDINNING,
J. H. GLENDINNING.