

J. S. Godfrey,

Mold-board.

No. 112,333.

Patented Mar. 7. 1871.

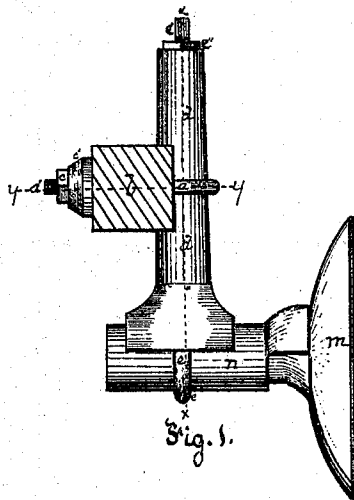


Fig. 1.

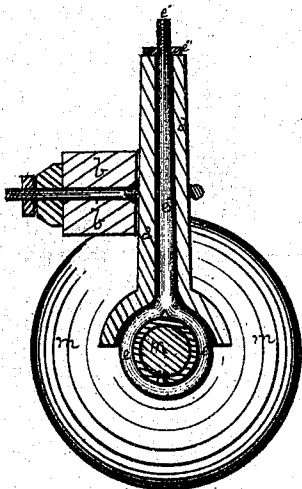


Fig. 2.

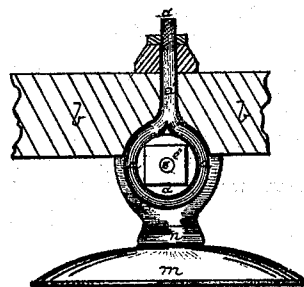


Fig. 3.

Witnesses:

R. B. Wrenshaw

Thos. B. Kern

Inventor:

*Joseph S. Godfrey,
by Bakewell & Knistig
his Attys.*

United States Patent Office.

JOSEPH S. GODFREY, OF LESLIE, MICHIGAN, ASSIGNOR TO HIMSELF AND
SEARS M. LOVERIDGE, OF PITTSBURG, PENNSYLVANIA.

Letters Patent No. 112,333, dated March 7, 1871.

IMPROVEMENT IN ATTACHMENTS FOR REVOLVING MOLD-BOARDS FOR PLOWS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, JOSEPH S. GODFREY, of Leslie, in the county of Ingham and State of Michigan, have invented a new and useful Improvement in Attachments for Revolving Mold-Board Plows; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1, by a cross-section of the plow-beam and a front elevation of the attachments, and an edgewise view of the mold-board, illustrates their arrangement.

Figure 2 is a sectional elevation through *x x*, fig. 1, looking toward the rear face of the mold-board; and

Figure 3 is a sectional plan view through *y y*, fig. 1. Like letters of reference indicate like parts in each.

My improvement relates to that class of plows known as revolving mold-board plows, and consists in combining with a revolving disk mold-board improved devices by which to attach it to the plow-beam and adjust it with reference to the work it is designed to do.

To enable others skilled in the art to make and use my improvement, I will proceed to describe its construction and mode of operation.

A section of the rear end of the plow-beam, back of the standard, is represented at *b*.

The mold-board *m*, and the sand-tight box *n*, in which its shaft plays, are such as are described in Letters Patent No. 101,256, dated 29th March, 1870.

The beam *b* is bored or mortised so that the shank *a'* of an eye *a* may pass through the same, where it is secured by a nut *c*, with or without a washer *c'*; also a recess of curved face is cut in the side of the beam, in which, by the eye *a*, to fasten the hollow support *d*, and the inner face of this recess is grooved or mortised to receive the half of the eye *a*, so that the face of the support *d* may bear against the hollow face of the recess, all as illustrated in fig. 3.

A similar eye, *e*, with shank, *e'*, is fitted to the hollow support *d*, the shank passing through the support and being secured by a nut *e'*.

The lower end of the support *d* is recessed and mortised in like manner, as already described.

The box *n* passes through the eye *e*, and is drawn up tightly against the face of the recess therein, by means of the nut *e'*, as shown in fig. 2.

In the class of plows referred to, the mold-board should be adjusted vertically up, down, and also horizontally, by a circular motion, as well as in the direct line of its axis.

These objects are secured by the attachments described. To effect a vertical adjustment, I loosen the nut *c*, whereby the hold of the eye *a* on the support *d* is loosened, whereupon the support *d* is raised or lowered in the eye *a*, carrying the box *m* and mold-board *n* up or down with it to the desired point, where it and they are secured by tightening the nut *c*.

The circular horizontal adjustment specified is effected by rotating the support *d* in the eye *a*, when the nut *c* is loosened, and with it the box *m* and mold-board *n*, so as to adjust the latter to any desired angle with reference to the line of the furrow.

The adjustment of the mold-board *n* in a direct line to or from the beam *b* is effected by loosening the nut *c*, which loosens the hold of the eye *e* and the lower end of the support *d* on the box *m*. The latter may then be adjusted out or in, horizontally in the line of its axis, to any desired distance, and there tightened in place by tightening the nut *c'*.

I do not claim as new any of the devices hereinbefore described, separately considered, but limit myself to the arrangements hereinafter specified.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The arrangement of the standard *d*, and shank *e'*, eye *e* with the box *n* and mold-board *m*, with suitable connections to the plow-beam, substantially as set forth.

2. The arrangement of the hollow standard *d* to admit the shank *e'*, with eye *a*, shank *a'*, and plow-beam *b*, substantially as described.

In testimony whereof I, the said JOSEPH S. GODFREY, have hereunto set my hand.

JOSEPH S. GODFREY.

Witnesses :

R. C. WRENSHALL,
A. S. NICHOLSON.