

W. WEUSTHOFF & T. G. TROUP.

Improvement in Grain Drills.

No. 124,707.

Patented March 19, 1872.

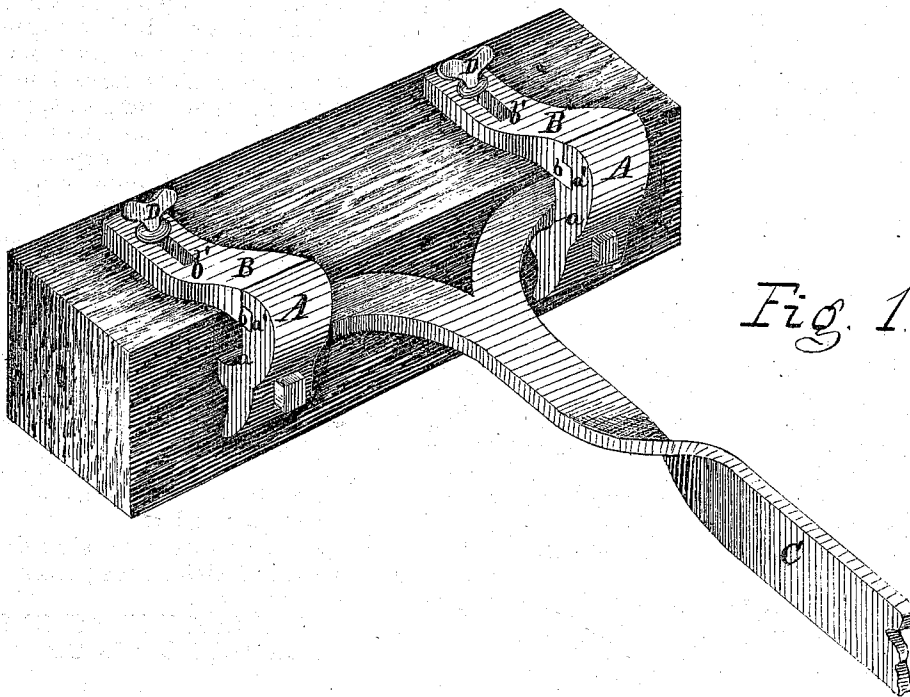


Fig. 1.

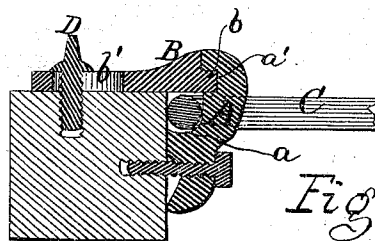


Fig. 2.

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UNITED STATES PATENT OFFICE.

WILLIAM WEUSTHOFF AND TEMPEST G. TROUP, OF DAYTON, OHIO, ASSIGNORS TO FARMER'S FRIEND MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN GRAIN-DRILLS.

Specification forming part of Letters Patent No. 124,707, dated March 19, 1872.

Specification describing a certain Improvement in Grain-Drills, invented by WILLIAM WEUSTHOFF and TEMPEST G. TROUP, of Dayton, in the county of Montgomery and State of Ohio.

This invention relates to grain-drills in which provision is made for arranging the hoes either in a single row or in a zigzag line, by the use of two transverse bars on the forward end of the frame for the attachment of the drag-bars, which are hinged either all to one of the transverse bars, or alternately to one and the other, as the hoes are to be disposed in single or double file. Our improvement consists in constructing the clips by which the drag-bars are connected to the transverse bar or bars of the frame in sections, which may readily be disunited without removal of any of the parts from the frame, so as to form an opening for the release of the journals of the drag-bar in shifting it from one beam to another.

Figure 1 represents, in perspective, two of our improved clips by which a drag-bar is connected with a transverse beam of the drill-frame. Fig. 2 is a section of one.

The same letters of reference are employed in both figures in the designation of identical parts.

In the example illustrated in the annexed drawing the clips are composed each of two parts, A and B, separately bolted to the beam in the manner shown. The part A is perma-

nently secured, and is provided with a bearing, *a*, for the reception of one of the journals on the forked end of the drag-bar C, the other journal of which enters a similar bearing in an adjacent clip. Just above the open side of this bearing *a* a groove, *a'*, is formed in the part A for the reception of a tongue, *b*, on the end of the part B, by which the open side of the bearing *a* is covered for the purpose of retaining the journal of the drag-bar when inserted. The bolt or set-screw D, which secures the part B of the clip, passes through an elongated slot, *b'*, therein, so that by slightly unscrewing this set-screw the part B may be drawn back until the open side of the bearing *a* is uncovered. In this position of the parts the journals of the drag-bars can be lifted out.

What we claim as our invention, and desire to secure by Letters Patent, is—

The holder A and slotted part B with set-screw D, in combination with the drag-bar C, as and for the purpose set forth.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

WILLIAM WEUSTHOFF.
TEMPEST G. TROUP.

Witnesses:

E. S. YOUNG,
GEO. M. YOUNG.