

No. 628,573.

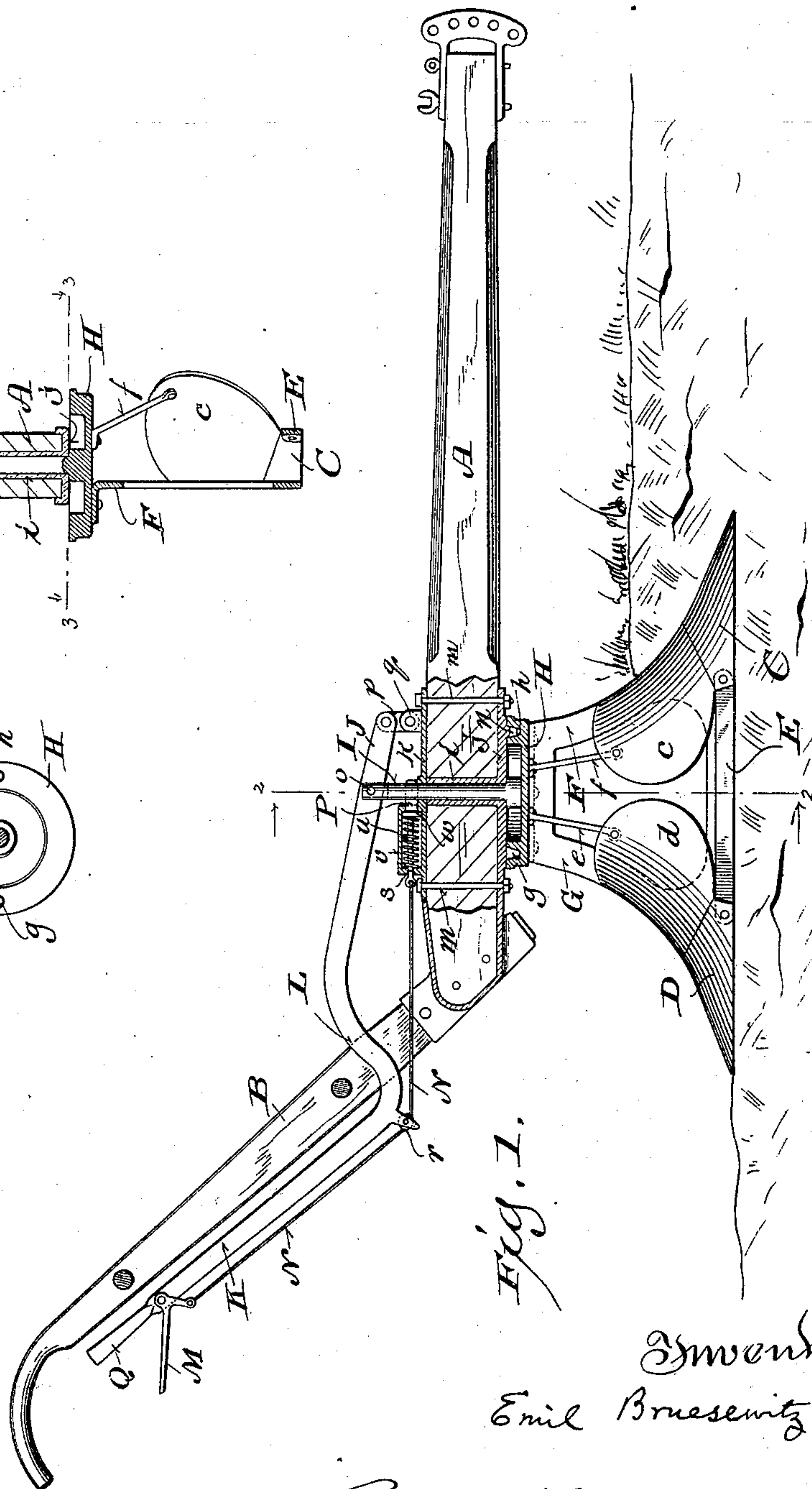
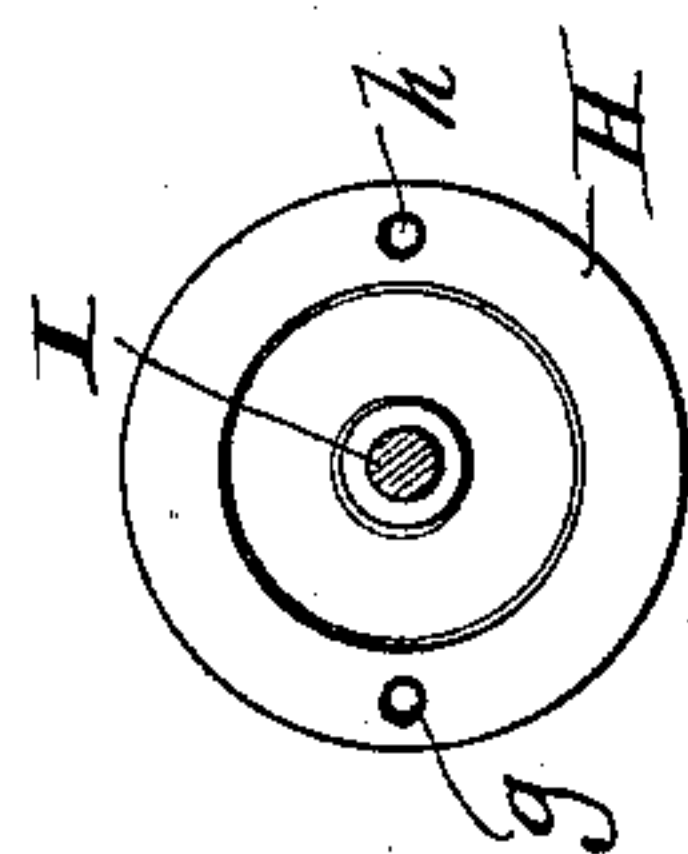
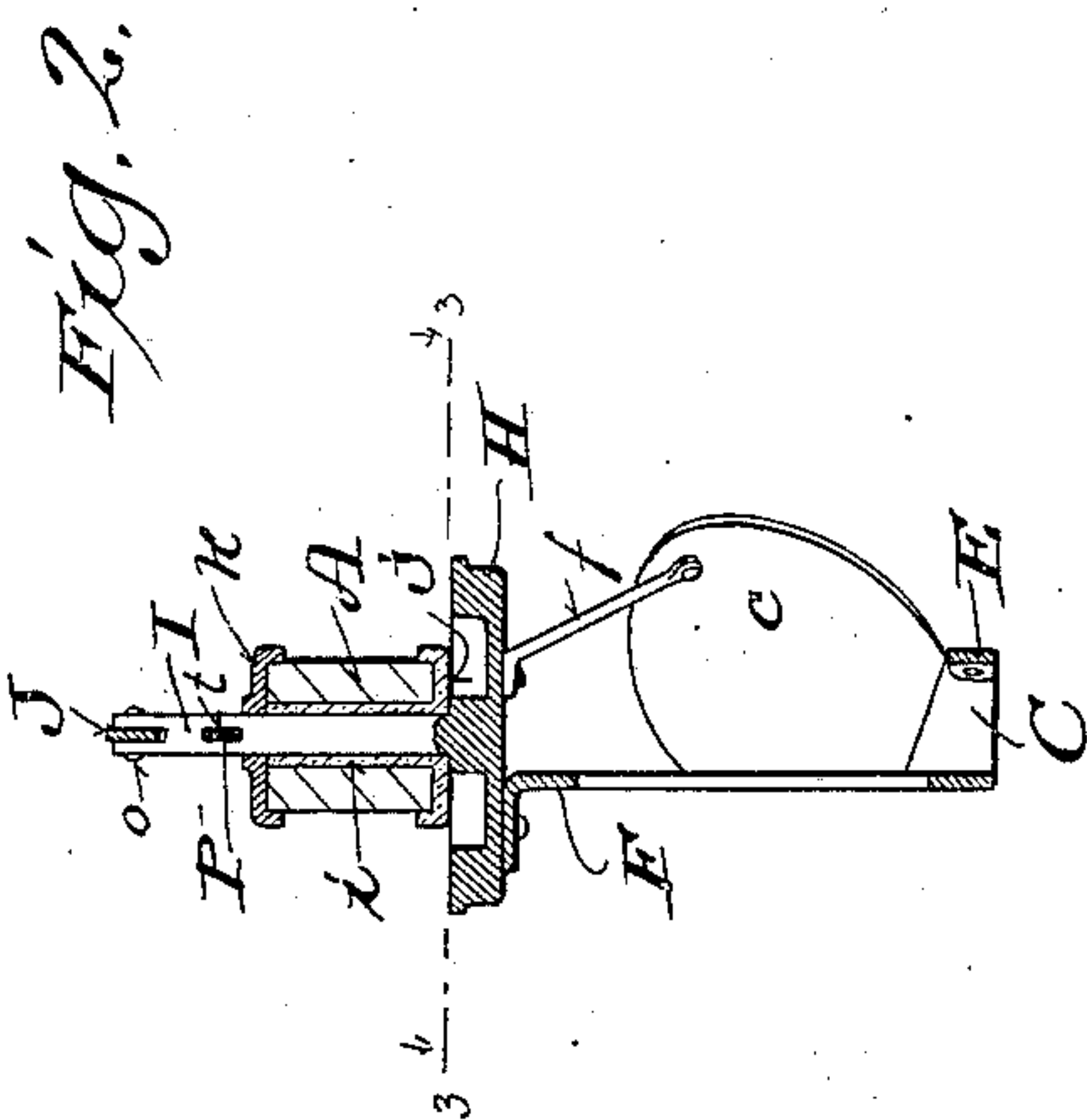
Patented July 11, 1899.

E. BRUESEWITZ.

PLOW.

(Application filed Mar. 27, 1899.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

EMIL BRUESEWITZ, OF MILWAUKEE, WISCONSIN.

PLOW.

SPECIFICATION forming part of Letters Patent No. 628,573, dated July 11, 1899.

Application filed March 27, 1899. Serial No. 710,620. (No model.)

To all whom it may concern:

Be it known that I, EMIL BRUESEWITZ, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to plows; and it consists in certain peculiarities of construction and combination of parts, as will be fully set forth hereinafter and subsequently claimed.

In the drawings, Figure 1 is a view of my improved plow in side elevation, partly broken away or in section to better illustrate certain details of construction. Fig. 2 is a vertical sectional view on line 2 2 of Fig. 1. Fig. 3 is a horizontal sectional view on the line 3 3 of Fig. 2.

Referring to the drawings, A represents the beam of the plow, and B one of the handles.

My improved plow is made with two shares CD, pointing in opposite directions and each having a moldboard *cd*, the two shares being connected by a bar E and there being a double landside F G secured in any suitable manner to the shares and moldboards and to a horizontal turn-table H, from which latter part braces *ef* extend to the moldboards. This turn-table has a central vertical post I and two sockets *g h* in its upper surface.

The beam A is provided with a vertical hole near its handle end, and, if preferred, when said beam is made of wood this end is covered with iron, there being preferably an iron socket *i* fitting within said vertical hole, which socket may be cast in one piece with the bottom plate *j*, and there may be a top plate *k* and bolts *m m* passing through said top and bottom plates and the beam A between them, the said socket *i* slipping over the post I and the bottom plate *j* having a depending pin *n* for engagement with one of the sockets *g* or *h* in the turn-table H, according to the direction in which the beam A is pointed, as hereinafter described. The upper end of the post I is forked to receive the forward end J of a bent lever, pivoted therein by bolt *o*, said end projecting a short distance beyond the post and being pivotally connected to a link *p*, which in turn is pivotally connected to lugs or ears *q*, rising from the top plate *k*. The

described lever extends back of the handles B, its rear end K being bent upward to follow the inclination of said handles and said lever being centrally curved, as shown at L, where it passes under one of the handle-rounds, and just back of this point it carries a roller *r*. M is a bell-crank pivoted to the handle end of the part K of said lever, from the short-arm of which bell-crank a cord N extends along beneath the lever and roller *r* and thence forward to the shank *s* of a bolt P, which latter engages within a slot *t*, extending through the post I, the shank *s* of said bolt being surrounded by a spring *u* within a housing *v* on the top plate *k*, said bolt and shank having travel through openings in the ends of said housing, one end of said spring *u* bearing against the rear end wall of said housing and the other end of the spring bearing against a collar *w* on the shank.

By reason of the described construction of my plow when a furrow has been plowed the length of a field it will not be necessary to continue the furrow at an angle or around the field, but the second furrow may be plowed parallel and close to the first furrow and the furrows will all lie the same way. To accomplish this, the long arm of the bell-crank M is brought up in line with the handle Q of the lever K L J, which withdraws the bolt P from the slot *t* in the post I, the parts M Q being readily grasped and held in one hand, and then a downward pressure of said handle Q is given, which raises the beam up on the post I and withdraws the pin *n* from the socket *h*, and the horses are driven around till the beam A points in the reverse direction, and then the downward pressure on the handle Q is released to permit the beam A to slide down on said post I, when as said beam has been swung half around the turn-table H the pin *n* will drop into the other socket *g*, and when this has occurred the operator releases his hold on the bell-crank M, and the spring *u* forces the bolt P again into the slot *t* in the post I and the parts are locked for the return trip. At the end of the second furrow the beam is raised, swung around, and locked as before, the parts being now in their original position, and thus the entire field may be plowed in straight parallel furrows side by side.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a plow, the combination of a pair of
5 shares and their moldboards, secured back to back and pointing in opposite directions; a vertically movable and revoluble beam, and means for elevating and turning said beam, and for holding it in line with the projection
10 of either share.

2. In a plow, the combination of a double
landside; a horizontal turn-table; a pair of
shares and their moldboards secured back to
back and pointing in opposite directions; a
15 post rising from said turn-table; a beam vertically movable and revoluble on said post; a lever for raising said beam; and means for locking the beam in its adjusted position.

3. In a plow, the combination of a double
20 landside; a horizontal turn-table having a central post rising therefrom and sockets on opposite sides of said post; a pair of shares and their moldboards secured back to back and pointing in opposite directions; a beam
25 vertically movable and revoluble on said post and having a pin depending from its under side for engagement with one or the other of

the sockets in the turn-table; and a lever for raising said beam.

4. In a plow, the combination of a double
landside; a horizontal turn-table having a
central slotted and forked post rising there-
from, and sockets in opposite sides of said
post; a pair of shares and their moldboards
secured back to back to said landside and
35 turn-table and pointing in opposite directions; a beam revoluble on said post and having a depending pin for engagement with said sockets; a lever pivoted in said post-fork, the forward end of said lever being linked to said
40 beam, and the rear end of the lever projecting back of the plow-handles; a spring-controlled bolt for engagement with the slot in the post; a bell-crank pivoted to the handle end of said lever; and a cord connecting said
45 bell-crank and said bolt.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

EMIL BRUESEWITZ.

Witnesses:

H. G. UNDERWOOD,
B. C. ROLOFF.