(No Model.)

J. RING.

PLOW.

No. 277,786. Patented May 15, 1883.

Fig. 1.

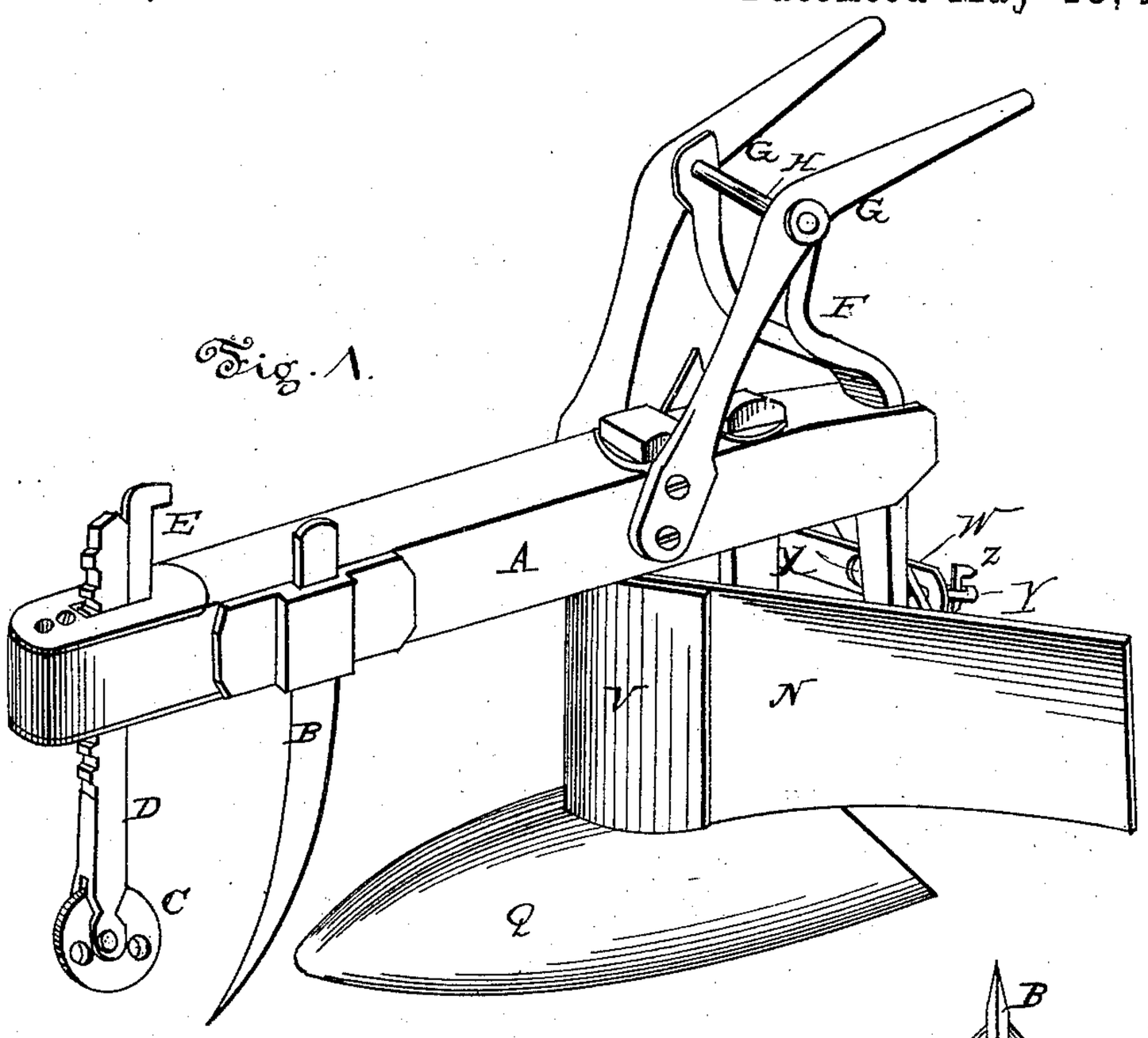


Fig. 2.

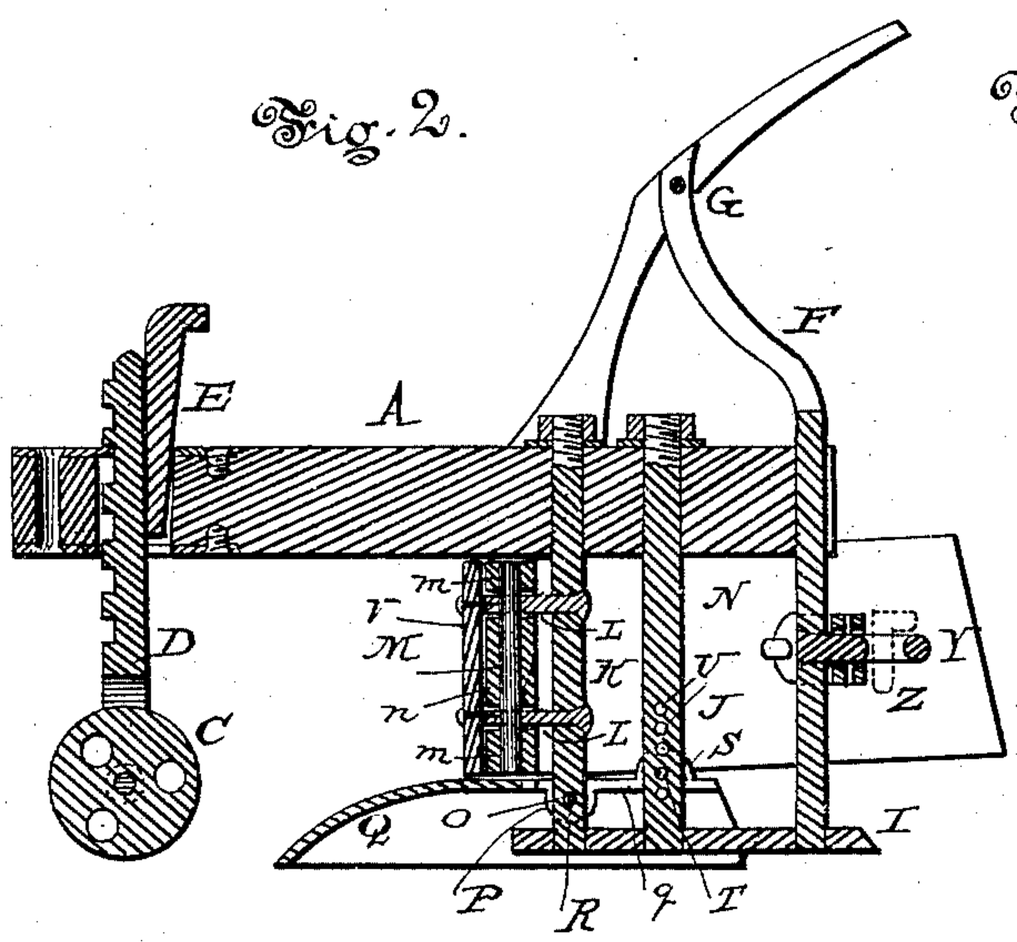
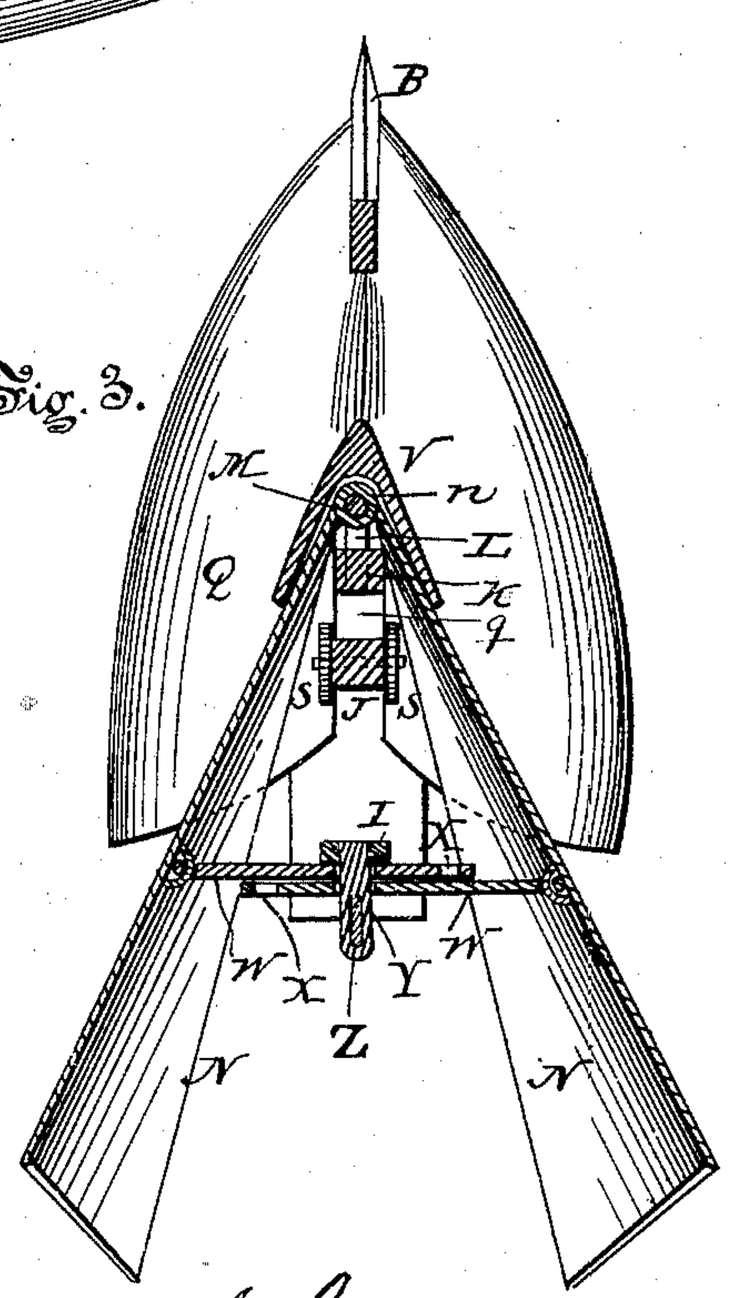


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHANN RING, OF MILWAUKEE, WISCONSIN.

PLOW.

SPECIFICATION forming part of Letters Patent No. 277,786, dated May 15, 1883.

Application filed February 13, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHANN RING, of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Potato and Corn Plows; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved potato and corn plow. Fig. 2 is a longitudinal vertical section, and Fig. 3 a horizontal section, of the same.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to potato and corn plows; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates the plow-beam, which is provided with a colter, B, of the usual construction, and a guide-wheel, C, journaled between the bifurcated ends of a notched standard, D, which is held fast in a slot in the beam by a wedge, E, so that the position of the wheel may be adjusted at will.

F is a bifurcated standard, which is bolted in a recess in the rear end of the beam, and which forms supports for the two handles G, which are bolted to the sides of the beam and connected by a cross-bar, H. The lower end of this standard passes through a slot in and is fastened to a shoe, I, which is furthermore secured to two standards, J and K, the upper ends of which are fastened in the plow-beam. The foremost of these two standards has two lugs, L, having holes for the reception of a pintle, M, to which the mold-boards N N are hinged. Through a hole, O, in the lower end of the standard K, and through holes in two projections, P, upon the slotted spoon-shaped share Q, passes a bolt, R, upon which the share is pivoted, while farther back, at the edge of the slot *q*, are two lugs, S, through which a bolt, T, passes, and through one of a series of holes, U, in the standard J. By changing the bolt T from one of these holes to another, the pitch of the share may be adjusted according to the depth it is desired to plow.

N N are the mold-boards, the forward ends of which form eyes *m* and *n*, through which the pintle M passes, which is held fast by the perforated lugs L. Bolted to the front ends of these lugs is a bent plate of spring-steel, V, which is V-shaped in section, and the wings of which extend and contract by the springiness of the steel when the mold-boards are extended or contracted. This plate covers the hinge and prevents dirt from entering into it and obstruct its working. Besides, by its shape, it offers less resistance in the ground than the round hinge. The mold-boards are adjusted by two arms, W, hinged to the inside of the mold-boards, and having a series of holes, X, which engage a slotted pin, Y, upon the standard I, where they are held in place by a split key, Z.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a plow of the described construction, the spoon-shaped share Q, having a rearward-extending longitudinal slot, *q*, and perforated projections or lugs P and S, substantially as and for the purpose shown and set forth.

2. In a plow of the described construction, the combination of the slotted spoon-shaped share Q, having perforated lugs P and S, with the standards K and J, having bolt-holes O and U, and bolts R and T, substantially as shown and described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JOHANN RING.

Witnesses:

MATH. POETZEL,

JOHN BANMLE.