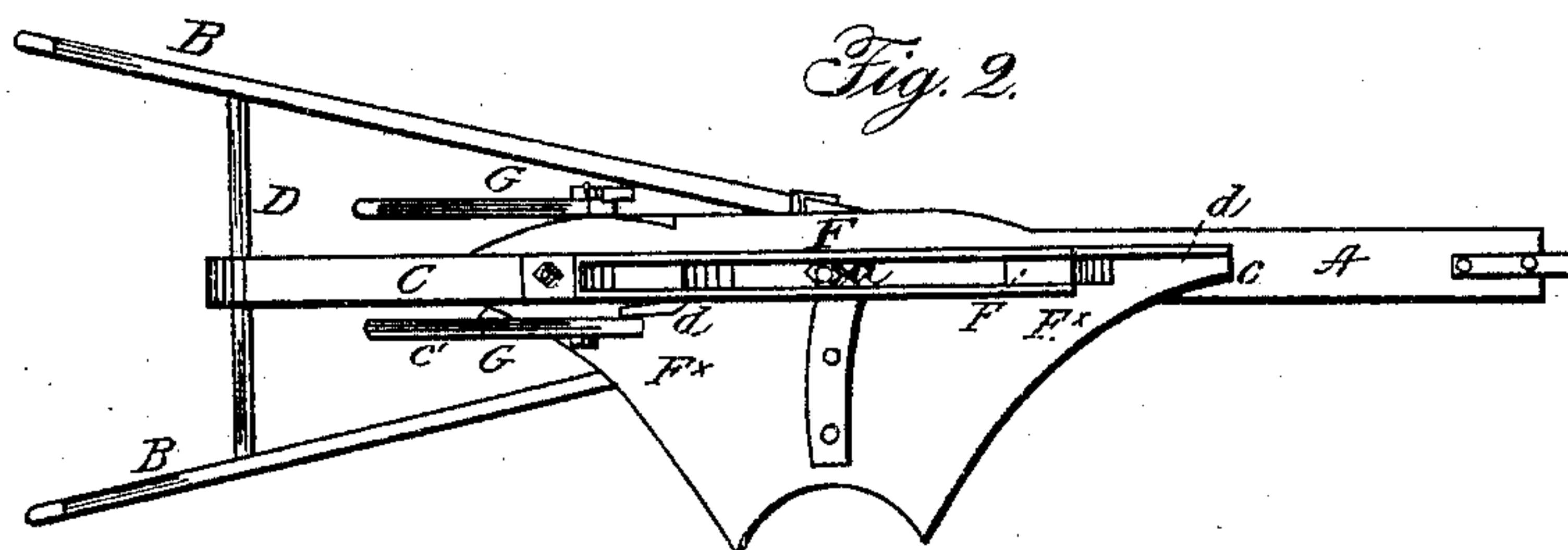


Side-Hill Plow.

Patented Sept. 4, 1866.



Inventor:

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per Munroe
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UNITED STATES PATENT OFFICE.

GEORGE W. THOMPSON, OF RIPLEY, OHIO.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. 57,796, dated September 4, 1866.

To all whom it may concern:

Be it known that I, GEORGE W. THOMPSON, of Ripley, in the county of Brown and State of Ohio, have invented a new and Improved Plow; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side view of my invention; Fig. 2, an inverted plan of my invention.

Similar letters of reference indicate like parts.

This invention relates to a new and improved plow of that class which are reversible—that is to say, capable of being turned and adjusted to either side of the beam—and which are commonly termed “hill-side plows.”

The invention consists in a novel construction of the mold-boards and land-side, and in a novel manner of connecting the former to the latter, as hereinafter shown and described, whereby the mold-boards may be very readily turned and adjusted to either side of the beam, and a strong and durable plow of the class specified obtained.

A represents the beam of the plow; B B, the handles, and C a stock or standard, into which the rear end of the beam A is framed; a cross-rod, D, which connects the upper ends of the handles, passing through the upper end of the stock C.

E represents a metal standard, which is secured in the beam A in front of standard C, is curved at its lower end, and fitted in the front end of the land-side F, and secured therein by bolts or rivets. This land-side is secured at its rear end to the lower end of the stock C, and it may be made or cast in loop form, as shown in Fig. 2, so that the lower ends of the standard E and stock C may be fitted readily into it.

The standard E is braced and held firmly in position by a metal bar, F', the upper end of which is inserted in the beam at the rear of the standard E, and the lower end fitted in the land-side just in front of the lower end of the stock C.

In the lower curved end of the metal stand-

ard E there is fitted a swivel-bolt, *a*, which is allowed to turn freely in the standard, and to the upper end of this swivel-bolt the mold-boards F^x F^x are attached by a hinge or joint, *b*. These two mold-boards are connected together or formed out of one piece of metal, the points or shares *c c'* being precisely alike, so that, when one point or share, *c*, is adjusted to the ground, the other, *c'*, will be up at one side of the beam A, and when *c'* is adjusted to the ground the other, *c*, will be up at the opposite side of the beam.

By connecting the mold-boards F^x F^x to the standard E by means of the swivel and hinge, which form a universal joint, the mold-boards may be readily turned or adjusted, so that a furrow-slice may be turned or cast from either side of the plow, as occasion may require.

The mold-boards are held to the beam by means of fastenings composed of levers or pivoted bars G G, attached one to each side of the beam A, and lapping, when their upper ends are drawn backward, over flanges *d* at the sides of the points or shares *c c'*. (See more particularly Fig. 2.)

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

1. The attaching of the mold-boards F^x F^x to the standard E by means of the universal joint composed of the swivel-bolt *a* and hinge or joint *b*, substantially in the manner as and for the purpose set forth.

2. The brace F', applied to the beam A and land-side F, substantially as and for the purpose specified.

3. The combination of the land-side F, standard E, and the mold-boards F^x F^x, attached to the standard by the universal joint, substantially as and for the purpose set forth.

4. The fastenings composed of the pivoted bars G G, attached to the beam A, substantially as and for the purpose specified.

The above specification of my invention signed by me this 18th day of May, 1866.

G. W. THOMPSON.

Witnesses:

A. K. WILLIAMS,
S. M. ESPEY.