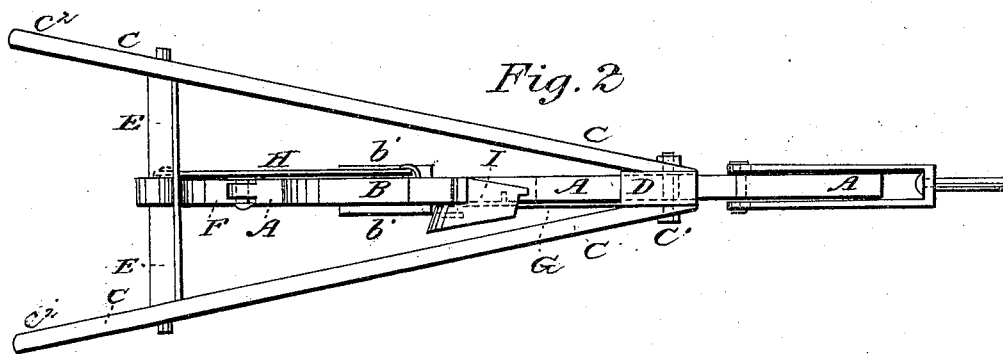
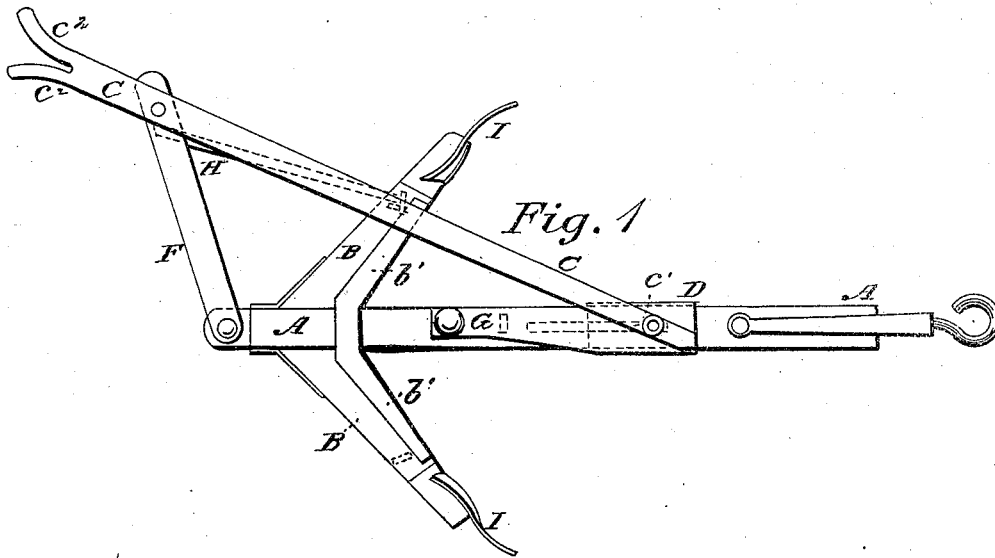


W. S. RABB.

Shovel Plow.

No. 103,777.

Patented May 31, 1870.



Witnesses:
A. B. Bismarck
J. M. Brooks

Inventor:
W. S. Rabb.
per M. M. Le
Attys

UNITED STATES PATENT OFFICE.

WILLIAM SMITH RABB, OF WINNSBOROUGH, SOUTH CAROLINA.

IMPROVEMENT IN PLOWS.

Specification forming part of Letters Patent No. **103,777**, dated May 31, 1870; antedated May 19, 1870.

To all whom it may concern:

Be it known that I, WM. SMITH RABB, of Winnsborough, in the county of Fairfield and State of South Carolina, have invented a new and useful Improvement in Plows; 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 improved plow. Fig. 2 is a top or plan view of the same.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved plow for side-hill plowing, subsoil plowing, cultivating plants, and various other uses, and which shall at the same time be strong, simple in construction, and easily shifted or adjusted; and it consists in the construction and combination of the various parts of the machine, as hereinafter more fully described.

A is the plow-beam, to the forward end of which is attached a clevis having a hook swiveled to its forward end.

To the opposite sides of the rear part of the beam A are attached two standards, B, the connection of which with the beam A is strengthened by the binding-piece *b'*, embracing the said beam A and attached to both of said standards B, as shown in Fig. 1; or, if desired, the said standards B may be strengthened by braces.

C are the handles, the forward ends of which are connected with the beam A by a bolt, *c'*, which passes through the ends of said handles and through a slot in said beam, as shown in dotted lines in Figs. 1 and 2.

The slotted part of the beam A may be covered with a band, D, through which the said bolt also passes, so that the said band may slide back and forth upon the said beam. The rear parts of the handles C are connected and held in their proper relative positions by the roller E, upon the ends of which are formed round tenons, which pass through and work in

holes in the said handles, as shown in Figs. 1 and 2.

To the middle part of the roller E is attached the upper part of the bar F, the lower end of which is jointed to the rear end of the beam A, as shown in Figs. 1 and 2. The rear ends or hand-pieces *c''* of the handles C are made double, as shown in Fig. 1, for convenience in holding the plow whichever side may be upward. By this construction, by simply turning the machine over the weight of the standards and rear part of the beam will cause the said beam to slide forward upon the bolt *c'*, that connects the said handles to the said beam, allowing the said beam to drop down upon the other side of said handles and bringing the other plow into position to be used.

The parts are secured in place when adjusted by a spring-catch, G, attached to or connected with the forward ends of the handles C, the bolt *c'*, or the sliding band D, as may be convenient, and which catches upon a recess or catch formed in or attached to the beam A; or, if desired, (and this construction I prefer,) the parts may be held in position by a hook, H, the rear end of which is pivoted to the upper part of the bar F, and which hooks into a staple or eye attached to the standards B, the said hook being connected with whichever standard may be uppermost.

When the machine is to be used as a side-hill plow, plows I are attached to the standards—similar to each other in every respect except that one turns the furrow to the right and the other to the left—so that by turning the plow over at the end of each furrow it may be in position for plowing the next furrow.

When the machine is to be used for subsoiling a turn-plow is to be attached to one standard and a subsoil-plow to the other, so that when a furrow has been plowed the plow may be reversed and the same furrow subsoiled.

For cultivating plants a large plow may be attached to one standard for breaking up the ground between the rows, and a small plow may be attached to the other standard for working close to the plants.

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

1. The combination of the slotted beam A, two standards, B, pivoted bar F, roller E, and handles C with each other, substantially as herein shown and described, and for the purpose set forth.

2. The combination of the spring-catch G

and hook H with the beam A, handles C, pivoted bar F, and standard B, substantially as herein shown and described, and for the purpose set forth.

W. S. RABB.

Witnesses:

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