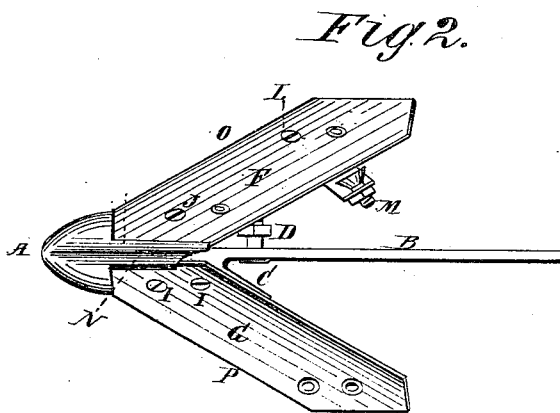
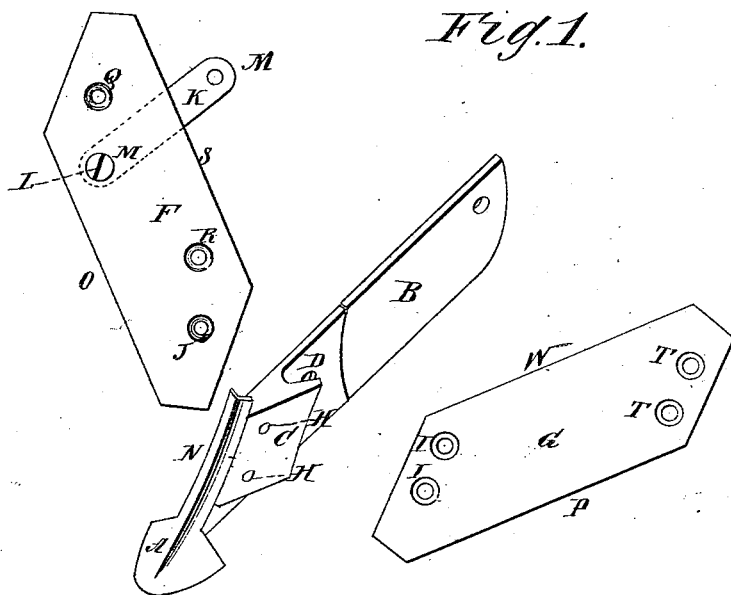


M. CALL.
Cotton-Sweep.

No. 167,494.

Patented Sept. 7, 1875.



WITNESSES:
G. Mathews.
John Kernon

INVENTOR:
M. Call
BY *[Signature]*
ATTORNEYS.

UNITED STATES PATENT OFFICE

MANFRED CALL, OF RICHMOND, VIRGINIA.

IMPROVEMENT IN COTTON-SWEEPS.

Specification forming part of Letters Patent No. 167,494, dated September 7, 1875; application filed October 19, 1874.

To all-whom it may concern:

Be it known that I, MANFRED CALL, of Richmond, in the county of Henrico and State of Virginia, have invented a new and Improved Cotton-Sweep; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a perspective showing the pieces separated, and Fig. 2 one showing them together.

The invention will first be described in connection with drawing, and then pointed out in the claim.

In the drawing, A forms the nose-piece or point with the flange C, and is attached to the land-side of the plow by the bolt D, that holds them together, mold-board, point, and slide being removed. B is a heel-piece attached to the center piece immediately in rear of A by a bolt. Either of these pieces A or B may be removed and replaced without interfering with the other, or they may be cast in one piece, forming then a nose or point and side, A B. F and G are the wings, and are of steel. The wing G is fastened to the flange C through the holes H H by two bolts, I I, countersunk into the wing G. The wing F is attached to the standard of the plow by a countersunk bolt at J, passing through the bolt-hole in the standard used in fastening the plow-point to it, and by the wrought-iron brace K, which is attached to the under side of the wing by a counter-

sunk bolt at L, and to the inside of the standard by a bolt through a hole in the standard used in fastening on the mold-board, and through the brace at M. The front of the nose or point projects over each side, forming a groove between the flange C and the ridge part N on one side, and between the standard of the plow and the ridge part N on the other side. These grooves receive the wings F and G. The wings F and G are reversible. When the cutting-edges O and P become worn the wing F is to be attached through the holes Q and R instead of J and L, which brings the edge S in front, and the wing G is to be attached through the holes T T instead of I I, which brings the edge W in front.

This cotton-sweep attachment is intended to be applied to all the purposes for which cotton-sweeps are used, and combines strength and economy.

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

The center piece provided with shovel-point A, overlapping nose-piece N, and side flange C, as shown and described, to adapt it to be applied to the skeleton of a turn-plow, in connection with the two wings, as specified.

MANFRED CALL.

Witnesses:

R. K. WILLIAMS,
GEO. WATT, Sr.