H. C. BUHOUP.

COTTON-SWEEPS.

No. 185,722. Patented Dec. 26, 1876.

Fig. 1.

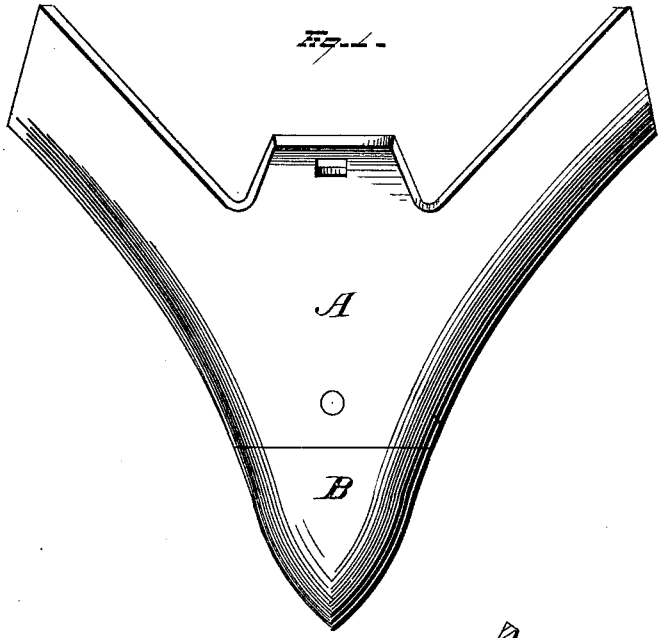


Fig. 2.

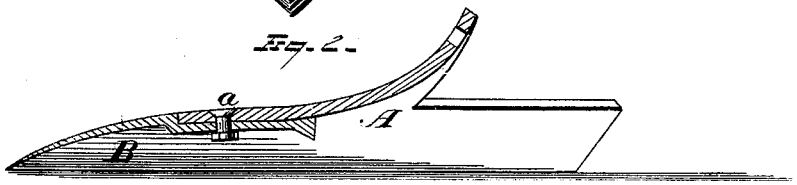
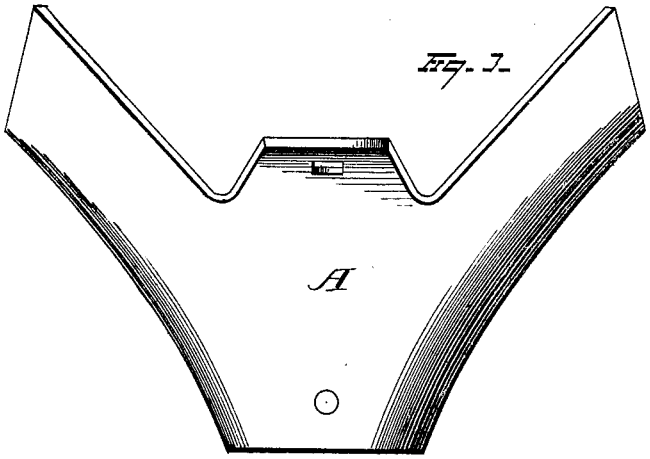
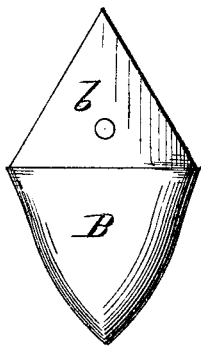


Fig. 3.





WITNESSES

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UNITED STATES PATENT OFFICE.

HARRY C. BUHOUP, OF PITTSBURG, PA., ASSIGNOR TO ALEXANDER SPEER & SONS, OF SAME PLACE.

IMPROVEMENT IN COTTON-SWEEPS.

Specification forming part of Letters Patent No. **185,722**, dated December 26, 1876; application filed November 8, 1876.

To all whom it may concern:

Be it known that I, HARRY C. BUHOUP, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Cotton-Sweeps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to cotton-sweeps; and is designed to afford a ready means whereby the point to a sweep may be removed and replaced as it is worn away. It is peculiarly desirable in agricultural implements of this class that some way may be obtained by which the heavy and unworn parts of the sweep may be preserved as still of practical use, and that same may not be rendered useless by the wear and effectual disqualification of its working-edge. The upper portion of a sweep is but little subjected to the wearing action met by the lower and point part of the sweep, and, hence, is usually in a good and serviceable condition when the point is deteriorated and rendered of no working avail.

My invention consists in the combination of parts hereinafter described and claimed.

In the drawings, Figure 1 represents my improvement in plan view. Fig. 2 is a section view of same, and Fig. 3 shows the parts detached.

A is the blade of a cotton-sweep, constructed as is usual, and having its point B made separate therefrom. The two sections form a square butt-joint as they come together, and the sectional dimension of the blade continues constant throughout its body, and is not dressed away or provided with any uncut shoulder, but retains its full proportion of stock or material at this point. Centrally, relative to the width of the blade, a hole is made in cross-section, which receives the bolt *a*, which latter forms the connecting medium between the blade and the rear tongue of the point. This tongue or rear extensive piece *b* is, preferably, in form of a triangle, having its base-line parallel with the joint, and its apex opposite the middle of same, the farthest from the working-edge of the detachable point. This rear extension *b* is likewise provided with a hole corresponding to that in the blade, so that the bolt *a* may fitly and securely unite the two. It is cast or made in the same piece with the point, and which latter thus forms in itself an article in the trade which may be attached to a sweep. All the advantages attendant upon a removable point are thus obtained, and at same time the capacity of the blade to resist the strain brought in an angular line of direction upon same is not lessened by any sectional reduction, but possesses its full and constant proportion of material resistance.

It is further apparent that a point constructed as set forth may be attached to a blade, which is steel, cast-iron, or wrought, and is not restricted to a molded blade, as would be the case were the latter attached to the point by a recessed shoulder cut in the body of the blade.

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

The combination, with the blade of a cotton-sweep, of a detachable point constructed with a depressed rear triangular extension, which forms an intermediate vertical face, against which abuts the front edge of the blade of the sweep, the point being secured to the blade by means of a bolt passing through the blade and the rear extension of the point, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 10th day of October, 1876.

HARRY C. BUHOUP.

Witnesses:

F. O. MCCLEARY,

ED. I. NOTTINGHAM.