

J. S. CRAIG.

Improvement in the Manufacture of Hoes.

No. 123,680.

Patented Feb. 13, 1872.

Fig. 1.

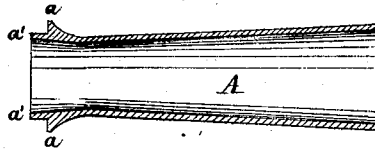


Fig. 2.

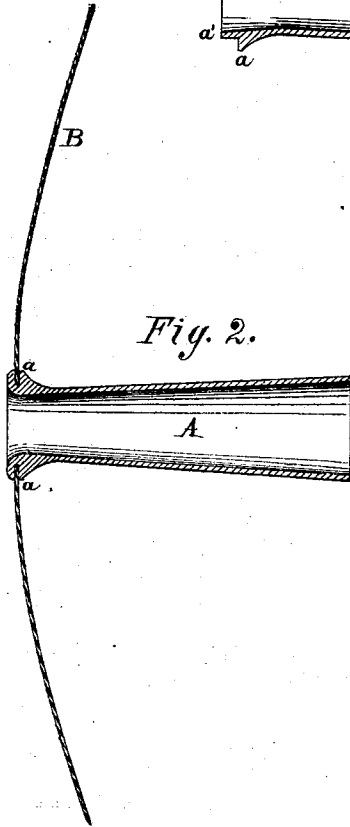
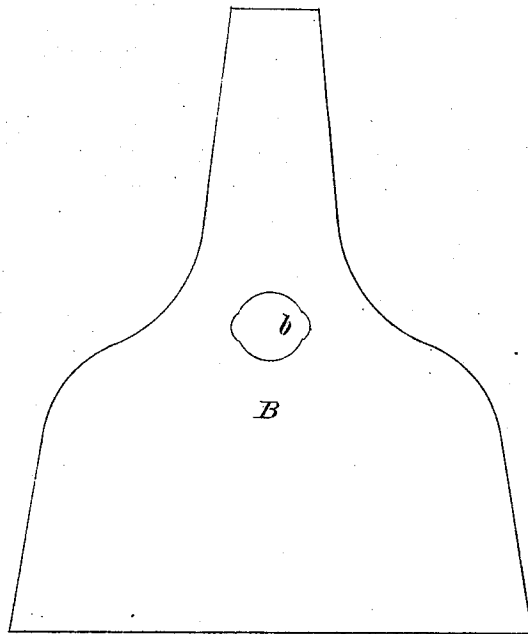


Fig. 3.



Witnesses:

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JOHN S. CRAIG, OF GUILFORD, KANSAS, ASSIGNOR TO FRED. H. ALDRICH,
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IMPROVEMENT IN THE MANUFACTURE OF HOES.

Specification forming part of Letters Patent No. 123,680, dated February 13, 1872.

Specification describing an Improved Mode of Fastening Sockets to Hoe-Blades and analogous implements, invented by JOHN S. CRAIG, of Guilford, in the county of Wilson and State of Kansas.

The invention will first be fully described, and then clearly pointed out in the claim.

Figure 1 is the sectional elevation of a socket before it is fastened to the hoe-blade. Fig. 2 is the same view with the socket applied to the tool; and Fig. 3 is the front view of a hoe-blade, exhibiting an aperture for receiving the socket.

A represents a wrought-metal socket, provided with flange *a*, and prolongation *a'*. B is a hoe-blade, having an aperture, *b*, formed with one or more recesses, *d*, which prevents its outline from being cylindrical. The prolongation *a'* is passed through the aperture *b* until the inner face of blade B rests against the flange *a* of the socket. The end of prolongation *a'* is now upset and turned over upon the front face of blade B. This upset-end

and the flange *a* are thus made to hold the blade firmly and securely between them. The upset-end has, however, not only lapped closely over the front face of the blade, but has also been forced into the recess or recesses *d*, thereby effectually precluding the possibility of the socket turning in the blade.

Having thus described all that is necessary to a full understanding of my invention, what I esteem to be new, and desire to secure by Letters Patent, is—

The wrought-metal socket A, having flange *a* and prolongation *a'* applied to a blade, B, having aperture, *b*, provided with one or more recesses, *d*, in the manner and for the purpose described.

The above specification of my invention signed by me this 11th day of November, 1871.

JOHN S. CRAIG. [L. S.]

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