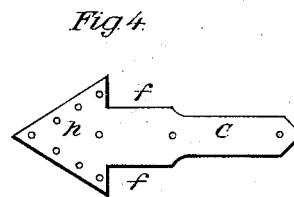
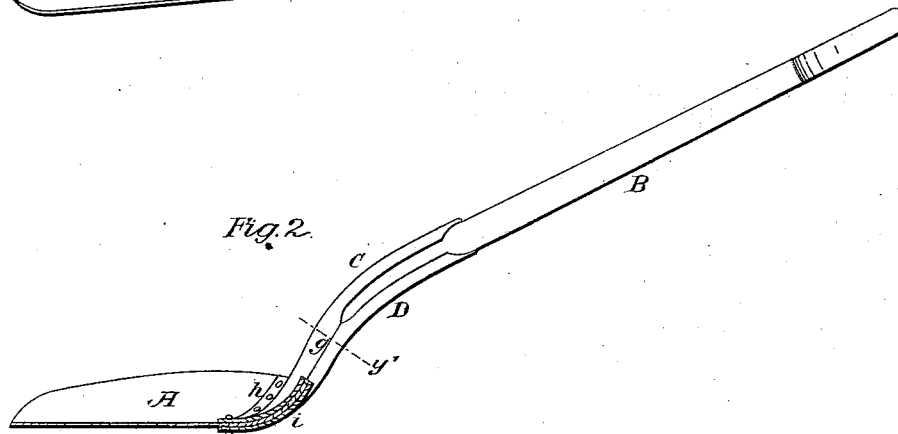
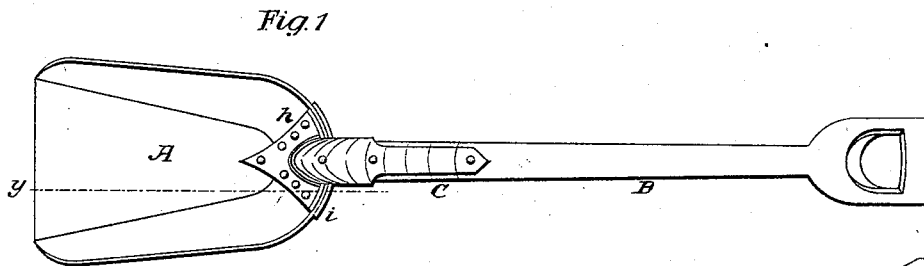


H. M. MYERS.
 Handle-Sockets for Shovels, Spades and Scoops.
 No. 208,258. Patented Sept. 24, 1878.



Attest
 James Johnston
 by H. Myers.

Inventor
 Henry M. Myers

UNITED STATES PATENT OFFICE.

HENRY M. MYERS, OF BEAVER FALLS, PENNSYLVANIA, ASSIGNOR TO
ELLA D. MYERS, OF SAME PLACE.

IMPROVEMENT IN HANDLE-SOCKETS FOR SHOVELS, SPADES, AND SCOOPS.

Specification forming part of Letters Patent No. **208,258**, dated September 24, 1878; application filed April 20, 1878.

To all whom it may concern:

Be it known that I, HENRY M. MYERS, of Beaver Falls, county of Beaver, and State of Pennsylvania, have invented a new and useful Improvement in Shovels, Spades, and Scoops; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improvement in shovels, spades, and scoops; and consists in the peculiar construction of the handle-straps, whereby a socket and straps are combined for attaching the handle to the shovel-blade.

To enable others skilled in the art with which my invention is most nearly connected to make and use it, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specification, Figure 1 is a top view of my improvement in shovels, spades, and scoops. Fig. 2 is a side view of the same, representing the blade and straps at line *y* of Fig. 1. Fig. 3 is a transverse section of the handle-straps at line *y'* of Fig. 2. Fig. 4 is a top view or plan of the handle prior to being swaged into form for attaching to the shovel, spade, or scoop blade.

In the drawings, A represents a scoop-blade, which may be of any of the known forms, and constructed of the ordinary material. B represents the handle, which is constructed of wood. C and D represent the handle-straps, which are cut (in the form shown in Fig. 4) from sheet-iron or sheet-steel, and furnished with openings for the rivets used for attaching them to the blade A and handle B. The

straps C and D are then swaged into the form necessary for the upper and lower strap, as indicated in Figs. 1 and 2, so that the edges *ff* in Fig. 4 meet, as at *g* in Figs. 2 and 3, forming the socket *e*. (Indicated in Fig. 3.) The parts *h* and *i* of the straps C and D are then riveted to the blade A. The straps C and D may be forged and plated with the blade A. The handle B is then fitted into the socket *e*, and the straps riveted to the handle, as shown in Figs. 1 and 2.

By constructing handle-straps in two pieces, of the form shown in Fig. 4, a socket for the reception of the end of the handle is formed, having the advantage of the ordinary handle-straps combined with said socket, whereby the handle is greatly strengthened and securely attached to the blade A; and said combined socket and handle-straps are constructed with economy of labor and material, and with great facility.

I am aware that a continuous socket for shovels has been made in two pieces; and I am also aware that a solid socket has been formed with handle-straps; but, in contradistinction to such,

I claim—

As an improved means of securing handles to shovels, the herein-described combined socket and straps, the same being composed of the two straps C D, forming a union at *g*, and terminating in the socket *e*, as shown and described.

HENRY M. MYERS.

Witnesses:

JAMES J. JOHNSTON,
C. H. MYERS.