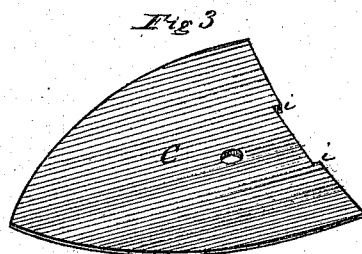
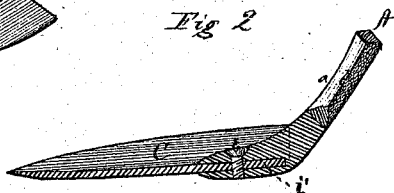
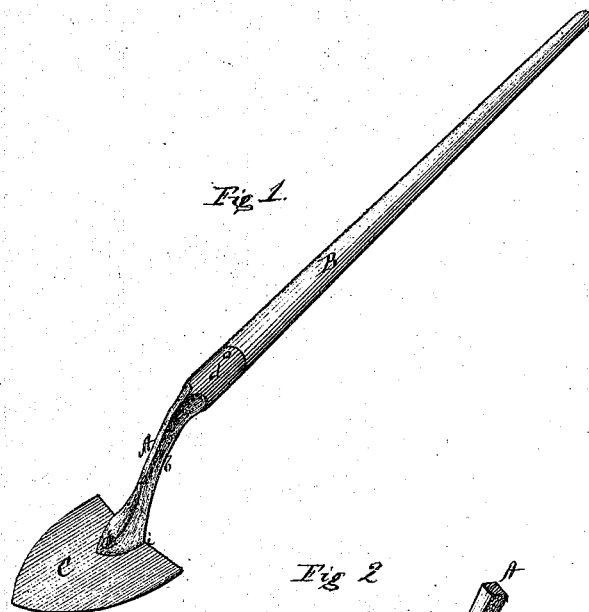


W.H. Smith,

Shovel.

No. 107,827.

Patented Sept. 27, 1870.



Witness,

Harry King.  
Ch. Court.

Inventor,

William H. Smith.  
per Alexander Mason  
Atty -

# United States Patent Office.

WILLIAM H. SMITH, OF JACKSON, PENNSYLVANIA.

Letters Patent No. 107,827, dated September 27, 1870.

## IMPROVEMENT IN SHOVELS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, WILLIAM H. SMITH, of Jackson, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Shovels; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a shovel as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of the shovel;

Figure 2 is an enlarged longitudinal vertical section of the shovel-blade and lower portion of the shank; and

Figure 3 is an enlarged perspective view of the shovel-blade.

A represents the shank, constructed in the peculiar curved form shown in fig. 1, with an edge, *a*, running along the center of the front side, and another edge, *b*, at each side.

At the upper end of the shank A is formed a socket, *d*, for the insertion of the handle B, and the lower end is flattened, as shown, and split horizontally.

In this split or slot is inserted the blade C, and secured by a screw, *e*, which causes the tips of the shank to close tightly on the upper and lower sides of the blade.

The base or rear edge of the base C is provided with shoulders or offsets *i i*, which bear against the sides of the shank, to hold the blade steady.

By this arrangement of the blade and shank, the blade can readily be removed and another substituted, when necessary.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The herein-described construction of the shank A, edges *a b*, and socket *d*, with the blade C, having the shoulders *i i* where it is inserted in the groove in the flattened end of the shank, and secured together by the rivet *e*, all as shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand this 19th day of April, 1870.

Witnesses:

WILLIAM H. SMITH.

C. L. EVERT,

ROBERT CUSTARD, Jr.