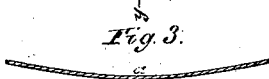
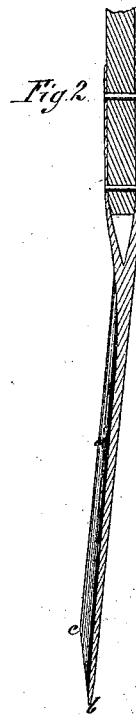
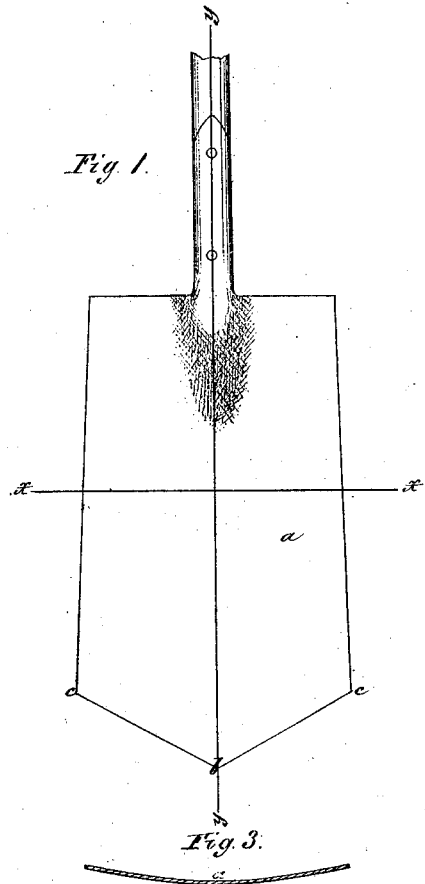


H. Parkman,

Sprade.

No. 111,240.

Patented Jan. 24. 1871.



Witnesses:

H. J. Smith
C. A. Smith

Inventor:

Harrison Parkman.

Attorneys.

United States Patent Office.

HARRISON PARKMAN, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 111,240, dated January 24, 1871.

IMPROVEMENT IN SPADES.

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, HARRISON PARKMAN, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and improved Spade; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a front elevation;

Figure 2 is a longitudinal central section; and

Figure 3, a transverse section.

This invention consists in a spade whose lower end is beveled downward from each outer corner to a central point, which is wider at the lower than at the upper end, which in cross-section is concave on its front and convex on its rear side, and which longitudinally is straight on its rear side from top to bottom.

Referring to the drawing—

a is a spade.

b, the central point at the lower end of the spade, said point rendering the spade more penetrative than as though it had a straight edge.

c are the two lower corners of the spade, these being further apart than are the two upper corners, and this for the purpose of making a cut so wide that the edges of the spade shall not be in contact with the earth, and that the spade may be easily worked from side to side.

The concavity of the spade adapts it to the taking up of earth, and by reason of its straight rear side it is more easily forced through earth than as though it were curved.

Having thus described my invention,

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

As a new article of manufacture, a spade having an angular point or cutting-edge narrowed gradually from its lower to its upper corners, concave or curved in cross-section, and straight longitudinally on its rear side, substantially as shown and described.

HARRISON PARKMAN.

Witnesses:

THOS. D. D. OURAND.

CHAS. A. PETTIT.