

(No Model.)

H. M. MYERS.
Spade.

No. 229,549.

Patented July 6, 1880.

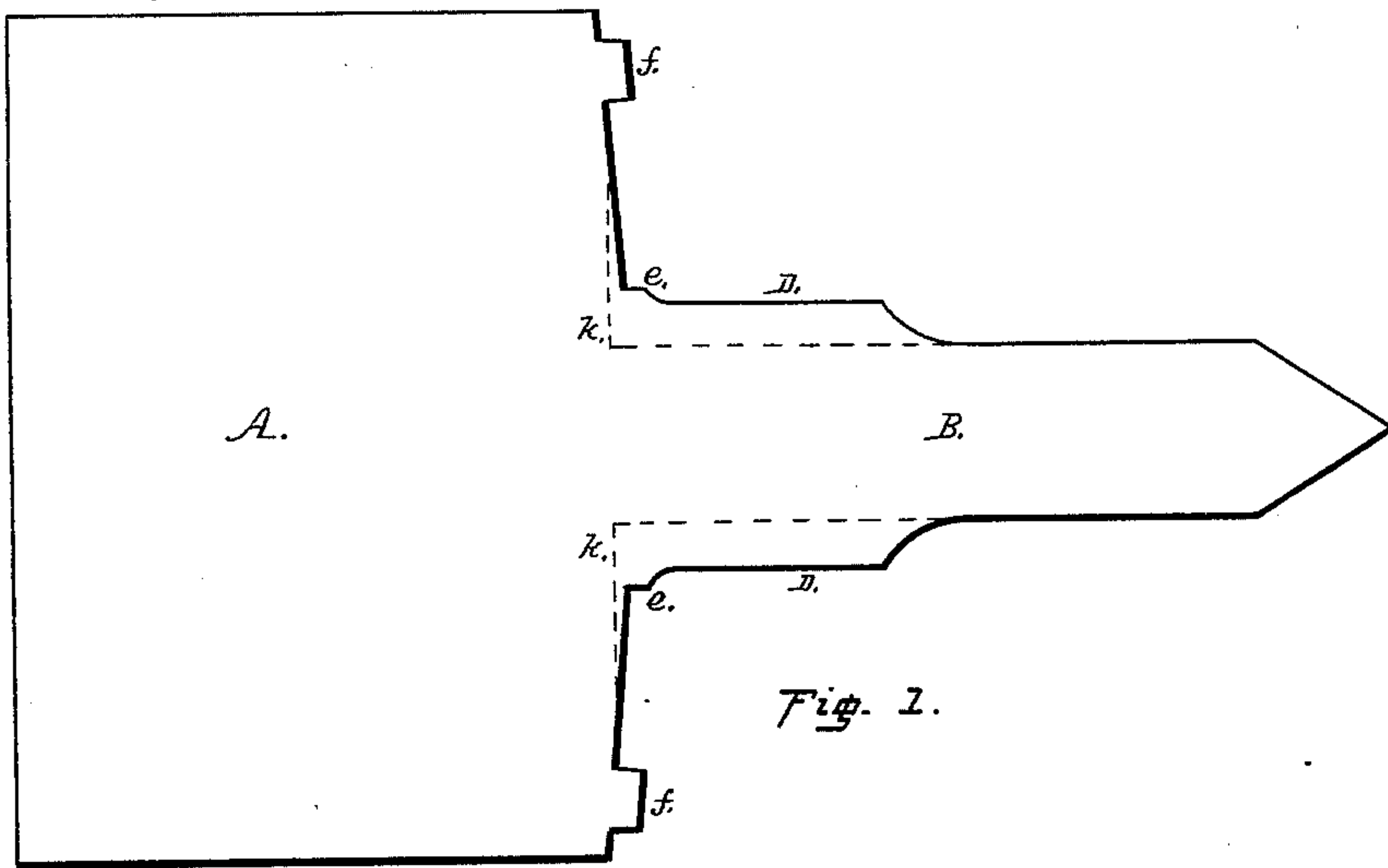


Fig. 2.

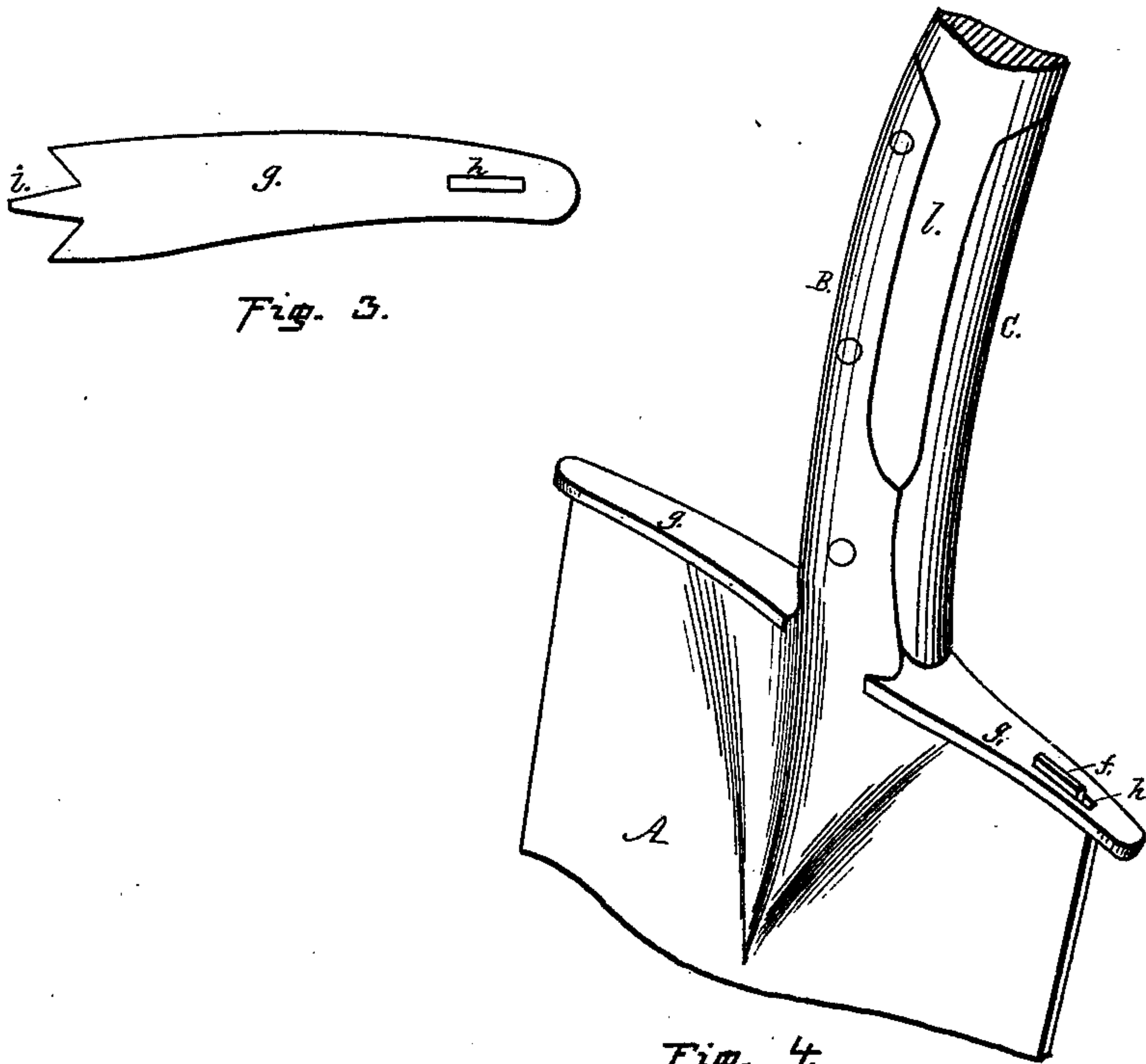


Fig. 4.

Witnesses.

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HENRY M. MYERS, OF BEAVER FALLS, PENNSYLVANIA.

SPADE.

SPECIFICATION forming part of Letters Patent No. 229,549, dated July 6, 1880.

Application filed April 8, 1880. (No model.)

To all whom it may concern:

Be it known that I, HENRY M. MYERS, of Beaver Falls, in the county of Beaver, State of Pennsylvania, have invented a new and useful Improvement in Spades; 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 spades; and it consists in making the handle-straps of such width at their junction with the blade of the spade that the edges of the back and front straps will meet at said point when bent around the wooden handle and overlap the tang on the inner end of the cap-plates on the upper edge of the blade, thereby firmly securing the inner ends of said cap-plates, and also give additional strength to the handle.

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 or face view of the blank for my improvement in spades. Fig. 2 is an edge view of the same. Fig. 3 is a top view of one of the cap-pieces secured to the upper edge of the blade of the spade. Fig. 4 is a perspective view (a section) of my improvement in spades.

In constructing spades the usual method is making the front and back handle straps of the same width from their junction with the blade throughout their whole length, as indicated by the dotted lines *k k* in Fig. 1, and secure the cap-pieces *g* on the upper edge of the blade *A* by making holes in the wooden han-

dle *l* for the reception of the tang *i* of the cap-piece *g*, and securing the outer end of the cap-piece by riveting the projection *f* on the upper edge of the blade in the opening *h* of said cap-piece. The tang *i* is liable to become loose in the wooden handle, and the holes made for the reception of said tangs in the handle weakens it at the point where the handle should be the strongest.

The object of my invention is to increase the strength of the handle where it is usually made weak, and to secure the cap-pieces *g* more securely on the top edge of the blade *A*.

To secure these desirable results I increase the width of the handle-straps at *D D* and *e e*, whereby the straps *B* and *C* will increase the wooden handle *l*, as shown in Fig. 4, and the enlargements at *e e* will overlap the tangs *i* of the cap-pieces *g*, and thereby firmly secure the inner ends of said cap-pieces.

With the exception of the increased width of the handle-straps *B C* at *D D* and *e e* and the hereinbefore-described method of securing the inner ends of the cap-pieces *g* and the incasing of the handle *l* by the handle-straps, the spade is in all other respects constructed in the usual manner.

Having thus described my improvement, what I claim as of my invention is—

In a spade, the handle-straps at their junction with the blade, constructed substantially as hereinbefore described, so that the edges of the front and back straps meet and overlap the tang *i* of the cap-plate *g*, for the purpose set forth.

HENRY M. MYERS.

Witnesses:

JAMES J. JOHNSTON,
D. C. ALLEN.