T. BLANCHARD.

Shovel.

No. 34,193. Patented Jan. 21, 1862.

Fig. 1.

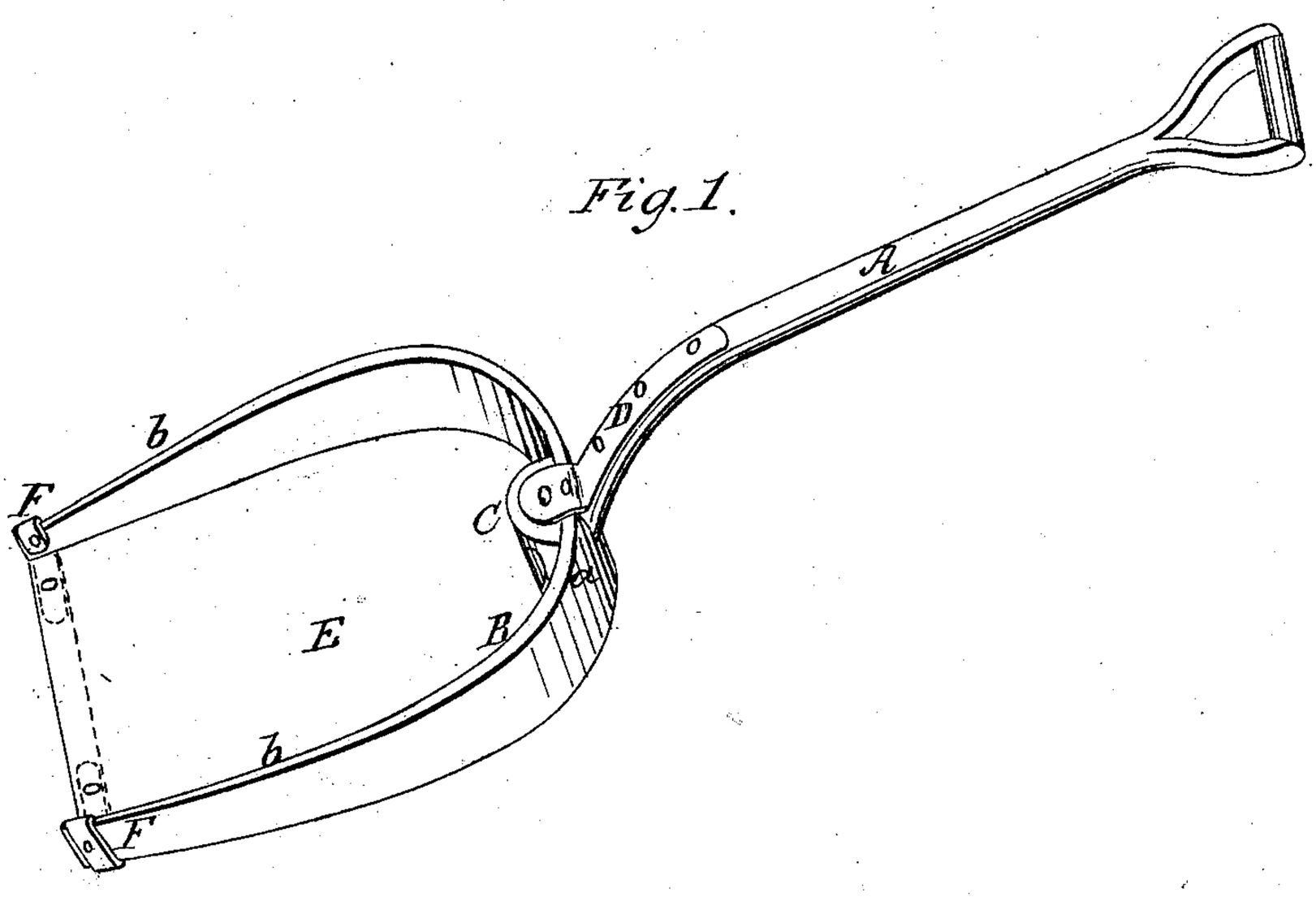


Fig. 2.

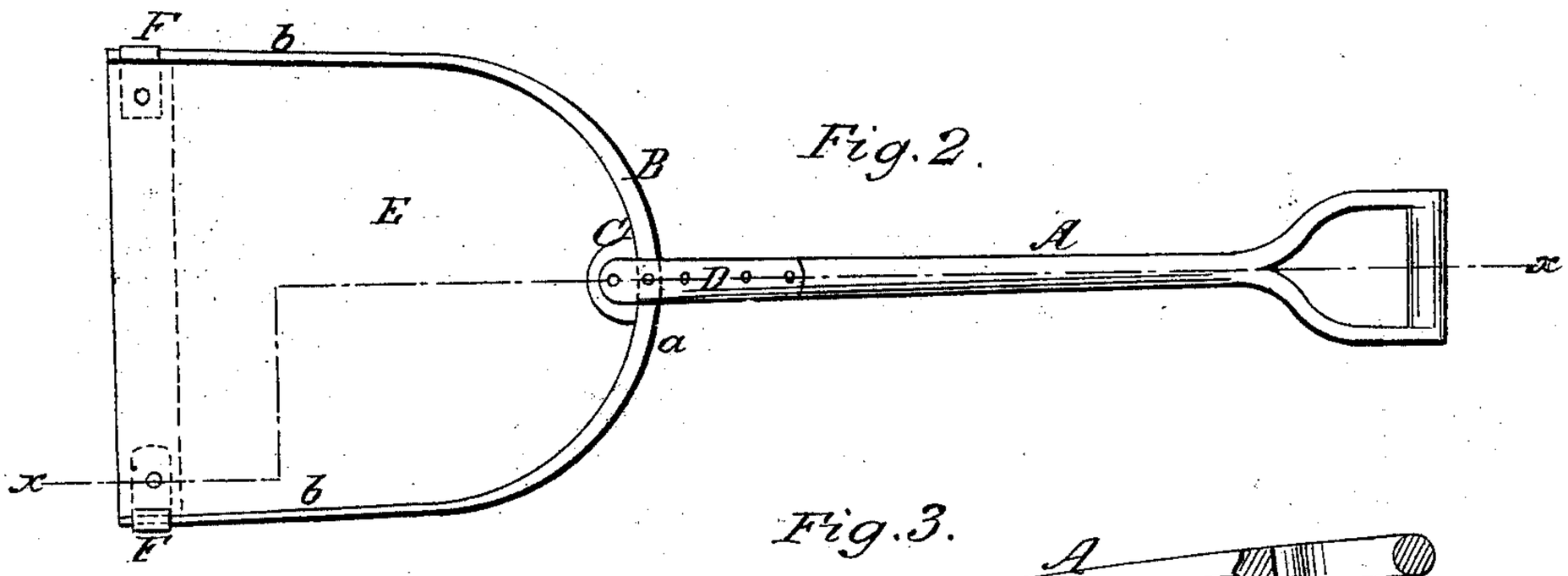
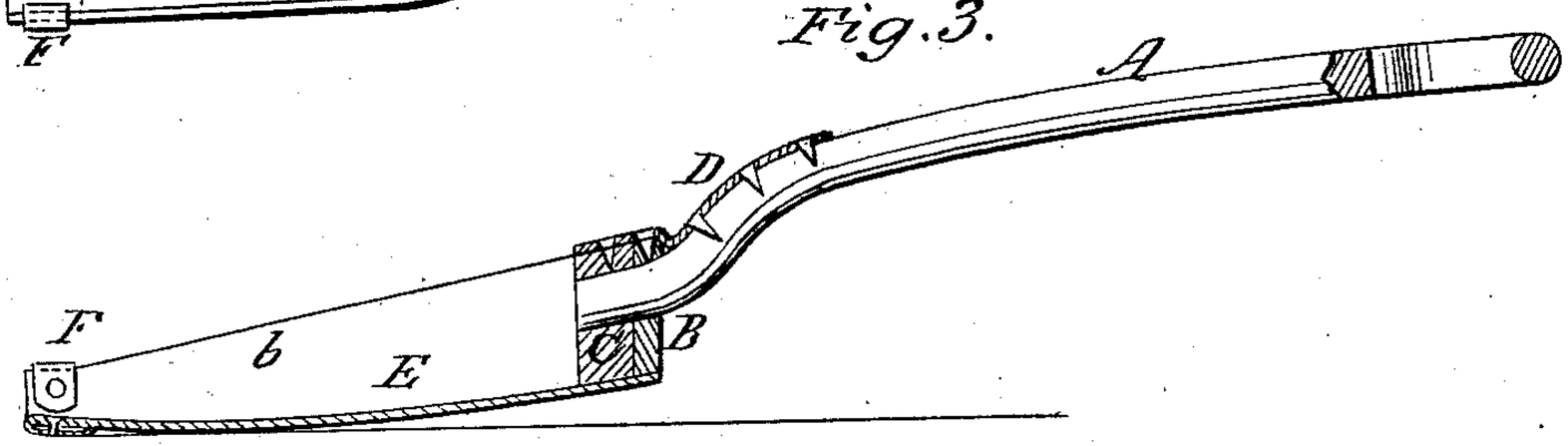


Fig. 3.



Witnesses.
J. W. Coombs.
M. N. Wimpton.

Inventor.
Thomas Blanchard
per Munn & Co
Atty.

UNITED STATES PATENT OFFICE.

THOMAS BLANCHARD, OF BOSTON, MASSACHUSETTS.

IMPROVED SCOOP-SHOVEL.

Specification forming part of Letters Patent No. **34,193**, dated January 21, 1862.

To all whom it may concern:

Be it known that I, THOMAS BLANCHARD, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in the Construction of Scoop-Shovels; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my invention; Fig. 2, a plan or top view of same; Fig. 3, a longitudinal section of same, taken in the line *x x*, Fig. 2.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to a new and useful improvement in the construction of scoop-shovels, such as are used by farmers for shoveling or scooping grain, roots, &c., and also used for shoveling or scooping coal and similar articles or substances.

The object of the invention is to supersede the ordinary wooden scoops, which are cumbersome and heavy, and also to supersede those constructed with sheet-metal bowls, which are also objectionable on account of their weight. The within-described invention, it is believed, obviates these difficulties by combining greater capacity with lightness, strength, and durability, and economy in construction.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the handle of the scoop, which is constructed of wood and bent or curved similarly to the handle of an ordinary spade or shovel, as shown clearly in Figs. 1 and 3.

The bowl of the scoop is formed as follows: A slab or strip of oak or other suitable wood, about three-eighths of an inch thick and about three and a half inches wide, and sufficiently long to form, when bent, the rim or side B of the scoop. The slab or strip is bent by being steamed and formed over a mold, or any suitable machine may be used for this purpose. The curved part *a* of the slab or strip is about of semicircular form, the straight parts *b* being parallel with each other, or nearly so. This rim or side B has a block of wood, C, fastened to its inner side at the center of the curved part *a*. The block C is equal in length to the width of the rim B, and serves to form a socket to receive the end of the handle A, the block C, as well as the rim B, having a suitable hole bored through them to receive the end of the handle. The handle is strengthened or secured in its connection with the rim B by means of a metal strap, D, which is secured or nailed to the curved part of the handle and to the upper end of the block C. The under sides of the straight parts *b b* of the rim B are beveled upward from their inner to their outer ends, and to the under side of the rim B a bottom, E, is attached either by screws or nails. This bottom may be of sheet metal or wood. If wood be employed, a strap of metal should be fastened over its front edge as well as over the front edges of the rim B, in order to prevent the wood from splitting. If the bottom be of sheet metal, it is cut out of sufficient length to admit of its front part being bent and clothed underneath it with metal straps F F, inserted in its ends, which straps pass around the ends of the rim B, as shown in the drawings.

If a sharp or hard edge be required for the bottom E, a strip of steel may be riveted to its front edge. This may be necessary if the implement be used for shoveling hard substances, such as coal, gravel, &c.

By this mode of construction a very strong, light, and durable scoop-shovel is obtained, and one possessing greater capacity than can be had by the old modes of construction with an equal or given weight.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A scoop-shovel with a bent rim or side, B, having a handle, A, and bottom E attached to it, constructed substantially as shown and described.

THOS. BLANCHARD.

Witnesses:

ALFRED MADDOCK,

THOS. BLANCHARD, Jr.