

(No Model.)

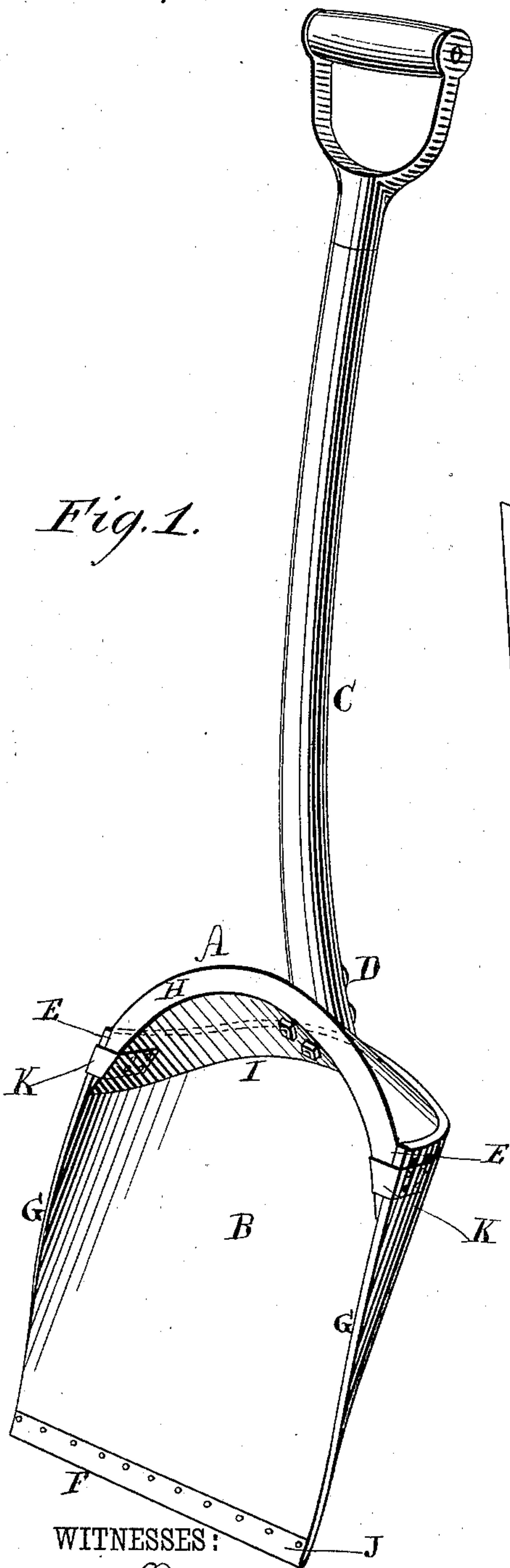
N. E. NICHOLS.

WOODEN SCOOP.

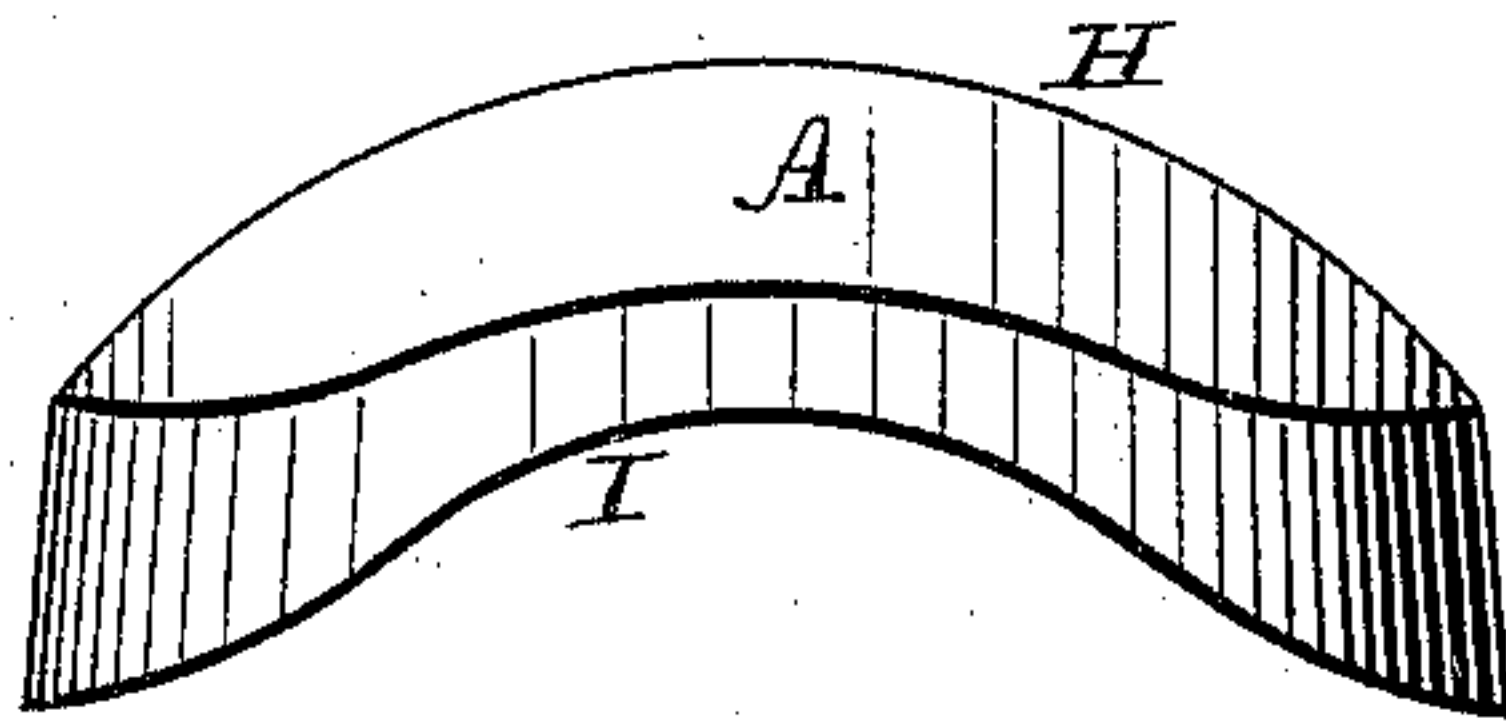
No. 344,541.

Patented June 29, 1886.

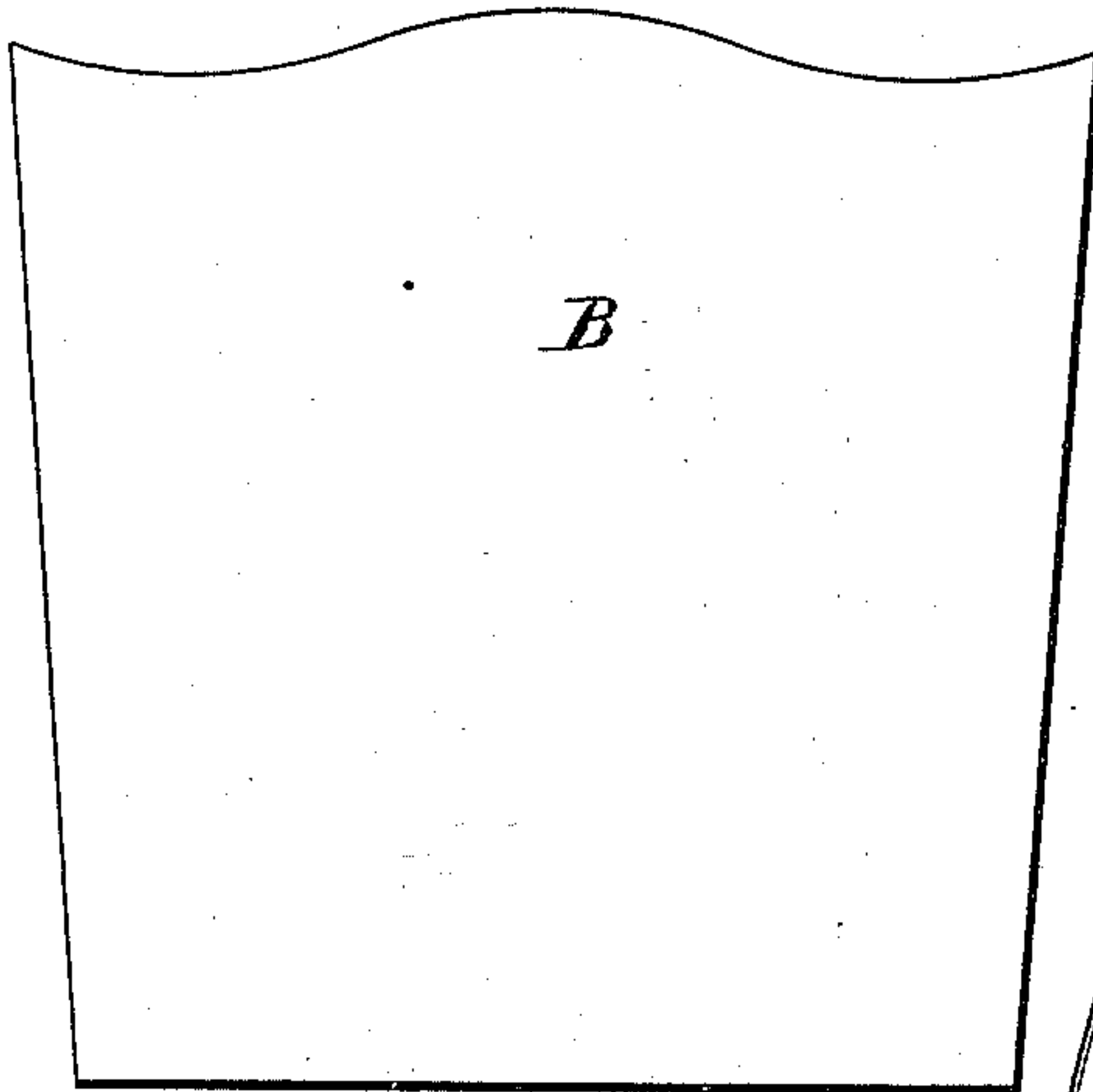
*Fig. 1.*



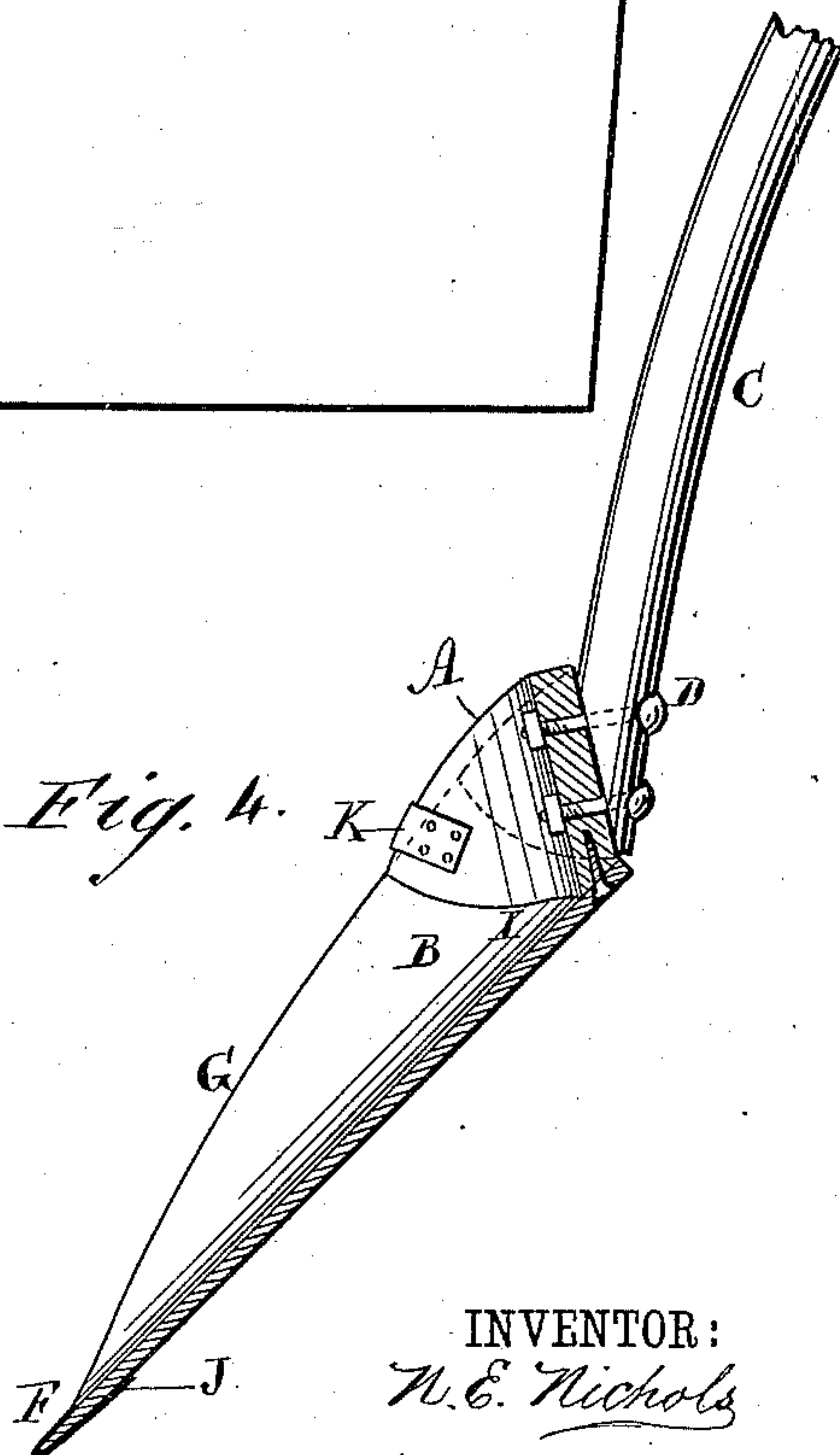
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

NATHANIEL E. NICHOLS, OF MOUNT TABOR, VERMONT.

## WOODEN SCOOP.

SPECIFICATION forming part of Letters Patent No. 344,541, dated June 29, 1886.

Application filed November 16, 1885. Serial No. 183,060. (No model.)

*To all whom it may concern:*

Be it known that I, NATHANIEL E. NICHOLS, of Mount Tabor, county of Rutland, Vermont, have invented a new and useful Improvement in the Manufacture of Wooden Scoops, of which the following is a full, clear, and exact description.

This invention consists in constructing a wooden scoop in two parts with a handle secured thereto, the heel formed in one piece of the required shape and thickness, so as to stand at the proper angle to the blade, and the blade tapered, so that when bent to conform to the lower curved and beveled side of the heel the deep flaring part and front flat edge will be formed, the handle being secured to the heel in any convenient manner.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a view in perspective of my improved wooden scoop complete. Fig. 2 is a bottom view of the curved heel detached. Fig. 3 is a plan or top view of the tapered blade detached; and Fig. 4 represents a central longitudinal section of the blade and heel with the handle in elevation, and their connections.

A, in the accompanying drawings, represents the heel of a wooden scoop formed into the required double curve and beveled on its lower edge, so as to stand at an angle to the blade B, and to which the handle C is secured by bolts and nuts D, or in any other convenient manner.

To the lower side of the heel A is secured the blade B, which is bent around the heel and secured thereto, so as to form the deep flaring part of the scoop, as shown in Fig. 1. The lower edge of the heel A is beveled, as shown at E, Fig. 1, so as to present a wide surface to which the blade B may be firmly secured, and parallel to the blade, so that the heel and blade may stand at the required relative angle to each other.

In order to form the deep and flaring part of the scoop, and to present a flat front edge, F, the material for the blade is made tapering and of sufficient width at the widest end to be bent around the heel, and to form the

flaring sides G of the scoop, as shown in Fig. 1, by which, together with the peculiarly curved and beveled lower edge, I, of the heel, to which the blade is secured, the heel and blade will stand at the required angle to produce a symmetrical and strong scoop.

It will be observed that the upper edge, H, of the heel A is curved in the arc of an ellipse, and the lower beveled edge, I, to which the blade is secured is a double curve in two directions, backward at the center and upward at the two ends. By this peculiarly-curved lower edge, I, the blade, when bent around and secured thereto, assumes a flaring shape, to form the deep part of the scoop and the sides G, and a flat front edge, as shown.

The edge F of the blade may be covered with a thin metal band, J, folded over it for protection against wear, and to prevent splitting.

To strengthen the edges of the blade and the beveled edges of the heel where they are joined, straps K of metal are folded over them and secured thereto in any convenient manner, as represented in Figs. 1 and 2.

The handle C is of the usual construction, and does not require to be described.

In order to adapt this scoop to removing snow, so as to present the largest area, the blade B may be made straight instead of tapering, in which form of construction the edge F would be considerably wider than the deep part or heel of the scoop.

In acknowledging the state of the art it may be mentioned that wooden scoops consisting of separate heels around which the wooden blades are bent and secured, and having suitable handles bolted thereto, with flat front edges to the blades protected by strips of metal are in common use, and are well known, which construction I do not claim, broadly; but what I do claim is the peculiar construction herein set forth and shown.

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

1. As a new and improved article of manufacture, a wooden scoop constructed with a heel A, which is curved forward and beveled on its lower edge, and a blade, B, secured thereto, as shown, projecting in a straight line from its heel to its front edge, F, and the heel A



to stand at the required angle to receive a handle, C, on its side, and which is bolted thereto, substantially as herein described.

2. A woodenscoop, constructed substantially  
5 as herein described and shown, consisting of the heel A, beveled on its lower edge, I, and curved forward, as shown, a blade, B, secured thereto, as represented in Fig. 4, and straight from its heel to its front edge, F, a handle, C,

secured to the side of the heel, and metal clips K, overlapping the edges of the heel and blade, substantially as herein set forth and shown.

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Witnesses:

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