W. Scarlett,

Skate.

No. 28,506. Patented May 29, 1860.

Fig: 1.

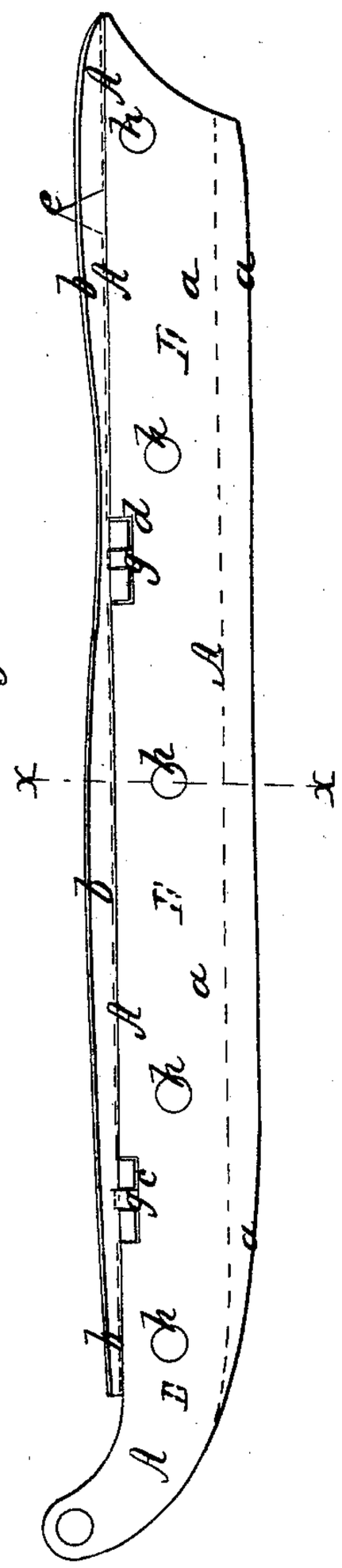
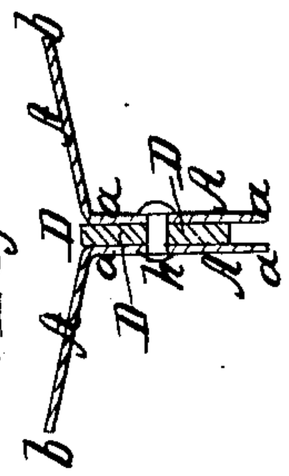


Fig: 2.



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UNITED STATES PATENT OFFICE.

WILLIAM SCARLETT, OF AURORA, ILLINOIS.

SKATE.

Specification forming part of Letters Patent No. 28,506, dated May 29, 1860; Reissued November 13,1860, No. 1,675.

To all whom it may concern:

Be it known that I, WILLIAM SCARLETT, of Aurora, in the county of Kane and State of Illinois, have invented a new and useful Improvement in the Manufacture of Skates; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a side view of my improved skate, showing the heel pin and the sole and toe pins for attaching the strap to the skate. Fig. 2 is a transverse section taken through Fig. 1 showing the manner of forming and putting together the parts forming the skate.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe its construction and operation.

In the drawings, A represent sheets of wrought metal, which are stamped or otherwise formed in the desired shape for the foot-stand and runner. These flat pieces are then bent in the shape shown by Fig. 2, so that the runner portion, *a*, will be at right angles or nearly so to the stand portion, *b*. In the stamping out of these pieces slots, *c d*, should be made at suitable points, and the bend made just above these slots; they will thus serve for receiving the straps for securing the skate to the foot.

When the plates, A, a right and a left one, are thus prepared, they are brought together and a stiff piece, D, of thick metal, which has previously been cut into the required shape, is interposed between the two vertical or runner portions, *a*, of the plates; and the whole skate is secured together by a suitable number of rivets, *h h h*, as shown by the drawings.

The heel pin, *e*, and pins, *g g*, are formed on the interposed plate, D, and project up through the slots, *c d*. These pins, *g g*, serve to retain the straps in place, which is exceedingly important to prevent the skates from slipping laterally, while strapped to the feet.

When the parts of the skate are thus secured together the skate may be fitted and finished up ready for the market with very little trouble.

The most important feature in this invention is, that the plates forming the body of the skate are made thin and of sufficient strength only to support the foot while the piece, D, gives the requisite strength and stiffness to form the runner, great lightness is thus obtained, which is a desideratum in skates made wholly of metal.

That portion of the plates A, which serve to support the foot are also elastic to a certain degree and yield to the form and pressure of the foot which is not the case with skates having cast iron foot pieces.

I do not claim broadly the making of the foot piece and runners in two halves of cast metal united to each other by rivets, nor do I claim the application of a movable bearer within the groove of the skate as in Joseph's patent, 1859, but,

Having thus described my invention, I claim as new in the manufacture of skates and desire to secure by Letters Patent—

Combining the central stiffening bar or plate D, with the two sheet metal halves A, in the manner and for the purpose herein shown and described.

WILLIAM SCARLETT.

Witnesses:
JAMES G. BARR,
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