

E. H. Barney,

Skate,

N^o 52,013,

Patented Jan. 16, 1866.

Fig. 1.

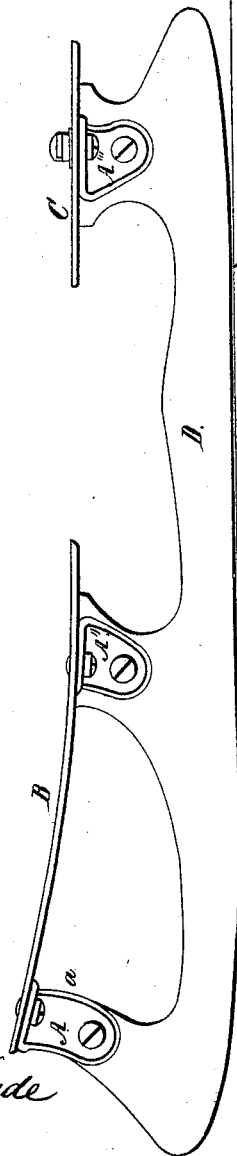


Fig. 4.



Fig. 2.

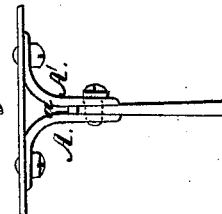


Fig. 3.



Witnesses:

*Edward N. Hyde
Wellington D. Stinson*

Inventor:

*E. H. Barney
by his attorney J. B. Gardner*

UNITED STATES PATENT OFFICE.

E. H. BARNEY, OF SPRINGFIELD, MASSACHUSETTS.

IMPROVED SKATE.

Specification forming part of Letters Patent No. 52,013, dated January 16, 1866.

To all whom it may concern:

Be it known that I, E. H. BARNEY, of Springfield, Hampden county, Commonwealth of Massachusetts, have invented certain new and useful Improvements in Skates; and I hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to letters of reference marked thereon.

This invention consists of certain improvements in the manner of constructing skates made wholly of steel and iron as I will hereinafter more fully describe.

In the drawings, Figure 1 is a side view of a skate constructed according to my invention. Fig. 2 is an end view of the same. Figs. 3 and 4 are views of the bracket A.

In construction, this skate consists of the foot-plate B, heel-plate C, runner D, and the brackets A A, &c.

The runner D is formed of one piece of rolled steel punched of the desired shape. The foot and toe plates B and C are also punched from sheet-steel, as are also the brackets A A', &c., which are bent after cutting.

The principal points I wish to advance as new in this invention are the use of the brack-

ets A A', &c., and the method employed of raising the front end of the toe-plate.

The first-named improvement consists in employing the curved brackets A A, formed from sheet-steel, as before mentioned, cut out of the desired form and afterward bent; and the second consists in raising the toe end of the plate B by lengthening the brackets A A', instead of carrying the end *a* of the runner up at this point to meet the foot-plate. The object of this is that the runner D may be formed of one width throughout, thus greatly reducing the cost of manufacture, as it may be rolled instead of forged.

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

1. The bracket A, when constructed and used substantially in the manner and for the purpose herein described.

2. The method of raising the front end of the toe-plate B by means of the brackets A A', substantially in the manner set forth.

E. H. BARNEY.

Witnesses:

J. B. GARDINER,
J. E. FULLER.