

G. G. Griswold,

Skate;

No 32,867,

Patented July 23, 1861.

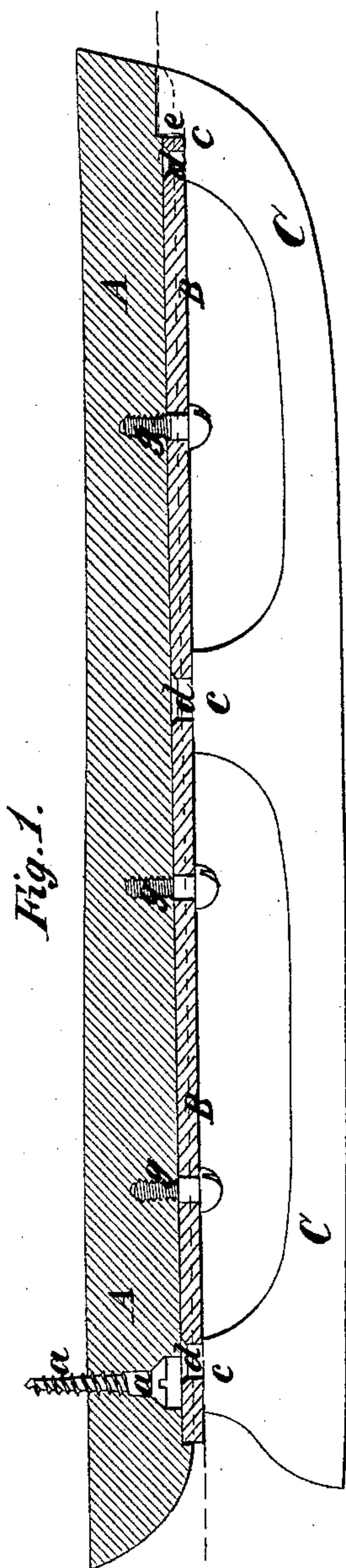
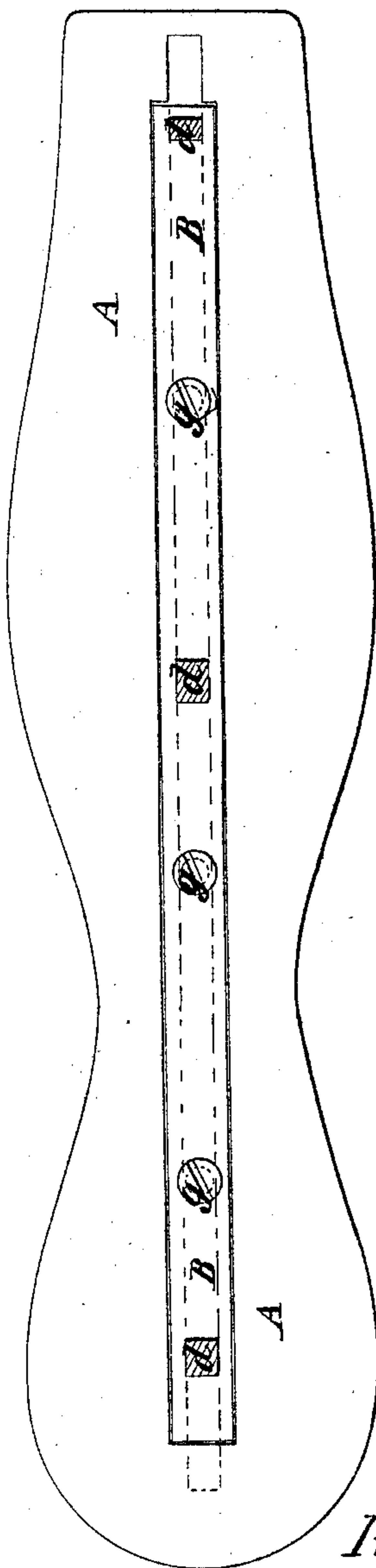


Fig. 2.



Inventor

Witnesses

J. W. Coombs
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UNITED STATES PATENT OFFICE.

G. G. GRISWOLD, OF CHESTER, CONNECTICUT.

SKATE.

Specification of Letters Patent No. 32,867, dated July 23, 1861.

To all whom it may concern:

Be it known that I, G. G. GRISWOLD, of Chester, in the county of Middlesex and State of Connecticut, have invented a new and Improved Skate; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1, is a section taken longitudinally through the center of the skate stock and iron brace of my improved skate. Fig. 2, is a horizontal section through red line *x, x*, in Fig. 1, showing the bottom of my improved skate.

Similar letters of reference indicate corresponding parts in both figures.

This invention is an improvement in the common wooden stock skates, and the object of the invention is to secure the skate irons to the stocks of such skates in a more rigid and permanent manner, and also to prevent the stocks from splitting longitudinally, which frequently occurs with the wooden stocked skates hitherto made.

To enable those skilled in the art to make and use my invention I will proceed to describe its construction and operation.

In the accompanying drawings A. represents the wooden skate stock which in this case may be made quite thin and light. This stock A. is shaped in the most improved manner and a wide groove is made longitudinally through the bottom of this stock in the middle thereof for receiving a flat bar B. A hole is bored up through the heel part of stock A. and through this hole a tapering pointed wood screw *a*, is passed, the head of which should be driven up until it is flush with the bottom surface of the longitudinal slot formed in the stock. This screw *a*, is intended for attaching the skate to the heel of the boot.

C. is the skate iron which has three studs *e, e, e*, of an equal length formed on its upper edge. This iron C. can be stamped out in the shape shown in Fig. 1, of the drawings, and on top of each stud *e, e, e*, a pin *d*, is formed which is of a sufficient length to pass through holes which are made through the flat bar B. The bar B. shown in Figs. 1 and 2, of the drawings is

made sufficiently long to extend from a shoulder *e*, on the upper end of the curved portion of the skate iron, to a short distance beyond the heel stud *e*. The pins *d, d, d*, are passed through holes made through the bar B. and these pins are riveted over the bar B. so as to secure this bar rigidly to the skate iron, along the tops of the studs *e, e, e*.

The bar B. should be made very stiff and much wider than the thickness of the skate iron; and the skate iron between the studs *e, e, e*, may be made very narrow as the bar B. will give all the stiffness to the skate iron required. A number of holes are drilled through the bar B. at intermediate points between the studs *e, e, e*, for receiving the screws *g, g, g, g*, which secure the skate iron and bar B. to the stock A. The skate iron is now secured to stock A. by inserting the bar B. into its groove in the stock and driving in the screws *g, g, g, g*, as shown in Fig. 1. If it is desirable the groove in the stock A. for receiving bar B. may be made deep enough to allow this bar B. to fit into it flush with the bottom surface of the stock, this will admit of the skate being easily cleaned of ice and snow which may gather upon it.

Now with the bar B. secured to the skate iron C. and then to the stock A. as herein described it will be seen that stock A. will have a wide bearing on the skate iron and the blows and concussions upon the skate, during skating, will not be liable to split the stock. The bar B. also admits of the skate iron being secured more rigidly to the stock than hitherto, as any number of screws *g*, may be used at intermediate points between the studs *e, e, e*, and this bar B. adds strength and rigidity to the entire skate preventing the skate iron from being bent or working loose on the stock.

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

The arrangement of the bar B. with the grooved skate stock A. and runner C. in the manner and for the purpose herein shown and described.

G. G. GRISWOLD.

Witnesses:

AUSTIN M. BABCOCK,
HARRIET BABCOCK.