C. A. RITTER.

SKATE SHARPENING STAND.

APPLICATION FILED JUNE 28, 1920.

1,362,045.

Patented Dec. 14, 1920.

Fig. 1.

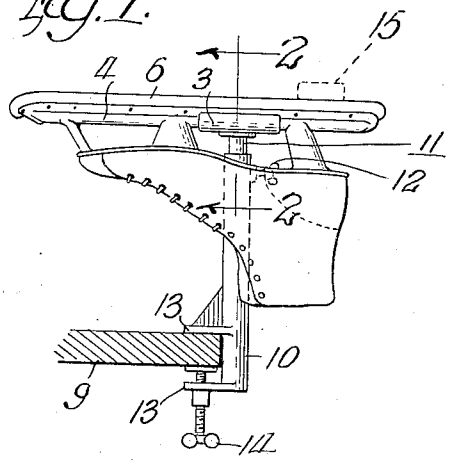
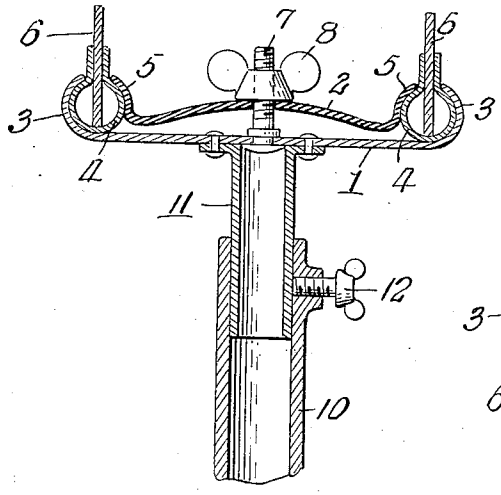


Fig. 2.



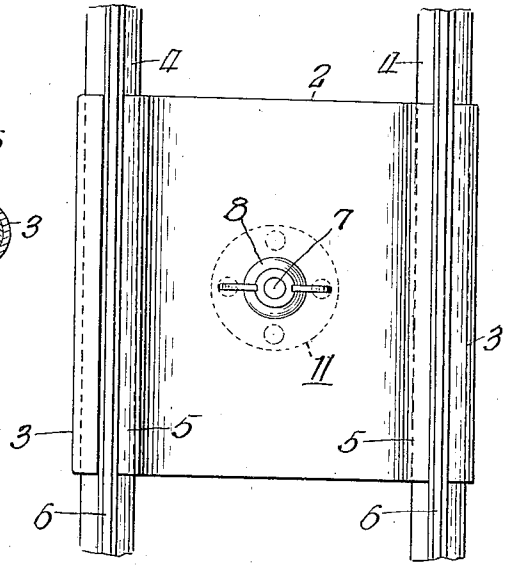


Fig. 3.

Inventor

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UNITED STATES PATENT OFFICE.

CHARLES A. RITTER, OF CHICAGO, ILLINOIS, ASSIGNOR TO NESTOR JOHNSON MANUFACTURING COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

SKATE-SHARPENING STAND.

1,362,045. Specification of Letters Patent. Patented Dec. 14, 1920.

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To all whom it may concern:

Be it known that I, CHARLES A. RITTER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Skate-Sharpening Stands, of which the following is a specification.

This invention relates to a device for holding a pair of ice skates while being sharpened, and consists in the matters hereinafter described and more particularly pointed out in the appended claims.

In the accompanying drawings—

Figure 1 is a side view of a skate holder constructed in accordance with my invention and shown clamped to a table or bench edge and holding a pair of skates in position for sharpening;

Fig. 2 is an enlarged vertical sectional view taken on line 2—2 of Fig. 1; and

Fig. 3 is a top plan view of the parts shown in Fig. 2.

The device of my invention comprises two plates 1 and 2, arranged one above the other and each being made of sheet metal to be light in weight and inexpensive and easy to manufacture. The lower plate 1 is rectangular and flat and has side flanges 3, 3 curved upward and inward toward each other to conform to the curvature of the runner housing tubes 4, 4 of the skates to be held in the holder and to fit about said tubes on the outside thereof, as shown in Figs. 2 and 3. The top plate 2 is also rectangular and fits between the side flanges 3, 3. The plate 2 has side flanges 5, 5 extending upward and curved outward to conform to the curvature of the tubes 4, 4 and to fit against the same opposite the flanges 3, 3 to clamp the tubes between them with the runners 6, 6 carried by said tubes projecting above the flanges, as shown. The flanges on said plates may be formed by bending the side portions of the plate to form them, as shown, and being parallel hold the skates in that position and also relatively close together. To clamp the tubes 4 between said flanges 3, 5, a screw bolt 7 is secured to the under plate 1 and extends upward therefrom through a hole in the top plate 2 and there receives a clamp nut 8, which may be of the winged or butterfly type to permit it to be more readily grasped and turned. The screw bolt 7 is arranged within the center of the plates 1, 2, as shown in Fig. 3, and the upper plate 2 is curved transversely upward from its side flanges to give it resiliency and permit it to be flattened out in clamping the skates in the holder, when the nut is tightened for that purpose. Thus only one screw bolt and only two plates are required, therefore making the device have but a few parts and those simple to manufacture and apply.

To support the holder above an underlying support, such as a table or bench 9 (Fig. 1), a distance sufficient to hold a pair of skates with shoes attached above the table, I employ a bracket, which as shown in the drawings has an upright supporting post 10, made hollow to receive at its upper end a stem 11 secured to the under side of the plate 1, at the center. This stem 11 is adjustably held in the post by a set screw 12 to vary the height of the holder above the table to clear the shoes off the table, when the occasion demands. At the bottom of the post are two jaws 13, 13, rigid therewith to receive between them the edge of the table 9 and be clamped thereto by a clamp screw 14 threaded through the lower jaw.

In use, the device described and shown is applied to the edge of a table or bench 9 and the top plate 2 removed. The pair of skates to be sharpened are placed inverted on the bottom plate 1 with the plate between the front and rear cups of the skates, as shown in Fig. 1, to balance them in the holder. The top plate 2 is then applied and clamped in place between the skates and the latter are held with their runners 6 projecting upward with their running edges in the same horizontal plane and close enough together to have an oil or other sharpening stone 15 (dotted lines, Fig. 1) extend between and rest on such edges for sharpening the same in the movement of the stone thereover. The bottom plate 1 being flat, the runners 6, 6 project above the plate the same distance and thus both runners may be sharpened evenly and to the same extent by one stone at the same time.

I claim as my invention:

1. A device for holding a pair of ice skates while being sharpened, comprising a top plate and a bottom plate having parts to receive between them and hold a pair of skates relatively close together with their runners extending above said plates and substan-

tially parallel, and fastening means to force one of said plates toward the other for clamping the skates between said parts.

2. A device for holding a pair of ice skates while being sharpened, comprising a curved top plate and a flat bottom plate having side flanges to receive between them and hold a pair of skates relatively close together with their runners extending above said plates and substantially parallel, a single screw-threaded bolt secured to one plate at the center and extending through a hole in the center of the other plate, and a nut applied on the threaded end of said bolt to force one plate toward the other for clamping the skates therebetween.

3. A device for holding a pair of tubular ice skates while being sharpened, comprising a curved top plate and a flat bottom plate having the side portions thereof bent to provide flanges extending toward each other and curved to engage and fit about the runner housing tubes of said skates, and fastening means to force one of said plates toward the other for clamping the skates between said flanges.

4. A device for holding a pair of tubular ice skates while being sharpened, comprising a curved top plate and a flat bottom plate having the side portions thereof bent to provide flanges extending toward each other and curved to engage and fit about the runner housing tubes of said skates, a screw-threaded bolt secured to the bottom plate at the center and extending through a hole in the center of the top plate, a clamp nut applied against said top plate on the threaded end of said bolt, and a bracket secured to the under side of said bottom plate and adapted to engage an underlying support for supporting said plates above the same.

In testimony that I claim the foregoing as my invention, I affix my signature, this 25th day of June, A. D. 1920.

CHARLES A. RITTER.