

No. 658,148.

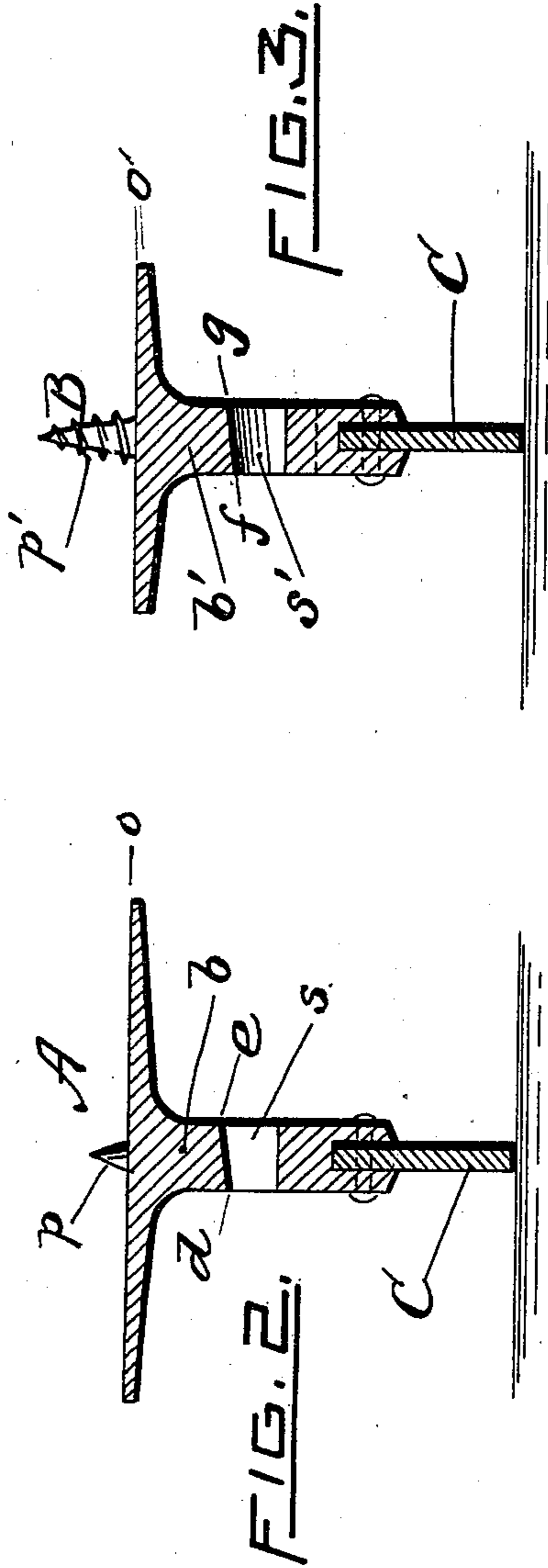
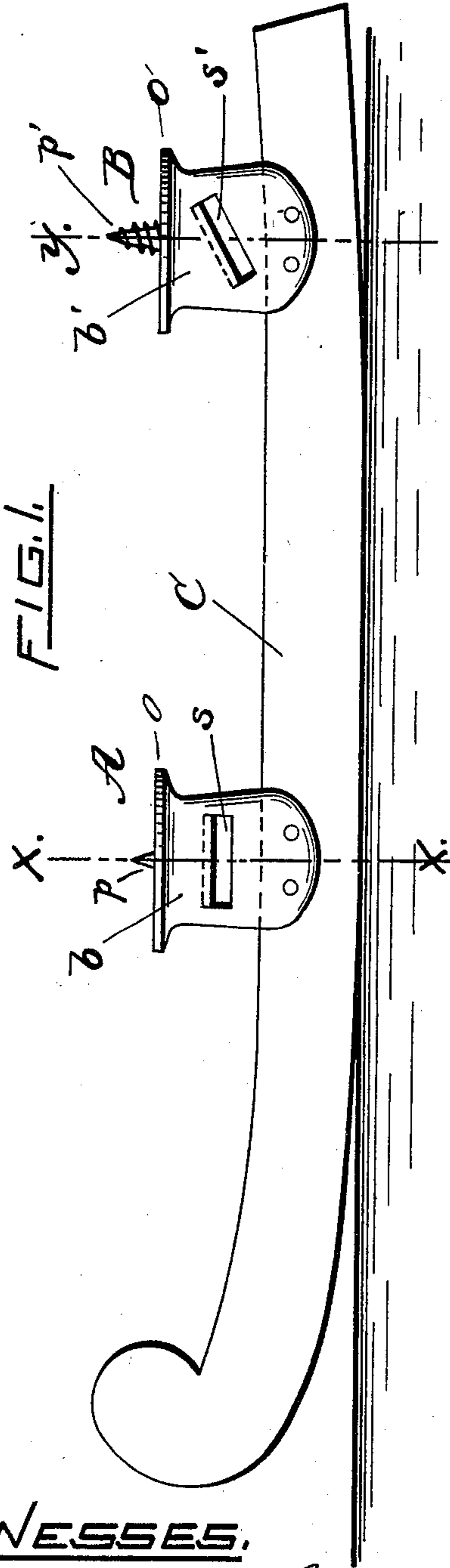
Patented Sept. 18, 1900.

E. HUNOLD.

SKATE.

(Application filed Jan. 12, 1900.)

(No Model.)



WITNESSES.

Charles T. Hannigan Ernest Hunold
William F. Shirley By Horatio E. Bellows

INVENTOR.

Atty.

UNITED STATES PATENT OFFICE.

ERNEST HUNOLD, OF PROVIDENCE, RHODE ISLAND.

SKATE.

SPECIFICATION forming part of Letters Patent No. 658,148, dated September 18, 1900.

Application filed January 12, 1900. Serial No. 1,189. (No model.)

To all whom it may concern:

Be it known that I, ERNEST HUNOLD, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a certain new and useful Improvement in Skates, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates particularly to racing and polo skates, wherein the greatest lightness consistent with extreme strength is the desideratum.

It is my object to secure the above qualities; also, to provide a means for preventing a slip or lateral displacement of the skate upon the foot, as well as reduce the cost and complications of old forms. I attain these objects by the original construction herein-after described with reference to the drawings, wherein—

Figure 1 is a side elevation of my new skate; Fig. 2, a transverse section of the same on line *x x* of Fig. 1, and Fig. 3 a similar section of the same on line *y y* of Fig. 1.

Similar letters refer to similar parts throughout.

The toe and heel plates, indicated as A and B, respectively, have the usual attachment means, consisting of a spur or spurs *p* and a heel-screw *p'*. Both plates are peculiar in that the plates proper or supporting-surfaces *o* and *o'* have, respectively, depending shanks *b* and *b'* cast integral with said surfaces and at right angles thereto. The lower portions of these shanks have each lateral channels to admit of engagement by rivets with the runner C. Thus the shanks *b* and *b'* serve as supporting-posts. The post *b* has a horizontal slot *s* to allow the admission of a toe-strap. The upper surface of the slot *d e*, Fig. 2, is slightly inclined or beveled. The post *b'* has a diagonal slot *s'*, whose upper surface *f g*, Fig. 3, is similarly beveled, into which slot the heel-strap is inserted.

When the skate is bound to the foot, it is evident that the points of the respective bevels *d* and *f* will indent the contacting leather straps and prevent any lateral movement of the latter, while the beveled edges are not sufficiently pronounced to form a cutting edge.

In developing my invention I find that to secure its full effectiveness the plates A and B, with their respective slots *s* and *s'*, should be cast in brass, as that metal affords a safe bearing edge for the contacting straps. Aside from the cheapness of manufacture which the above construction affords, it will be noted that the posts, being cast, are integral with the plate-surfaces, and thus impart an unusual stiffness and firmness to the entire skate. At the same time by casting the entire plate, including the slots *s* and *s'*, each in one piece the posts *b* and *b'* may be very thin without impairing the strength of the skate, thus insuring unusual lightness. It will therefore appear that a strictly high-grade skate may be produced at comparatively-slight cost, because the runners may be cut from "shop lengths" of high-grade bar-steel, the toe and heel plates may be cast complete in large quantities, the peculiar flaring form of the strap-slots permitting the ready withdrawal of the sand cores and at the same time producing a comparatively-accurate angle to make a sharp bend in the strap, and thereby prevent its slipping.

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

1. A skate comprising a runner, toe and heel plates and shanks, said shanks being provided with strap-slots having their upper walls inclined transversely with respect to the skate to prevent lateral movement of the securing-straps.

2. A skate comprising a toe-plate having an integral shank provided with a strap-slot parallel with the plate and having its upper wall transversely inclined with respect to the vertical plane of the plate, a heel-plate provided with an integral shank provided with a longitudinally-inclined strap-slot the upper wall of which is inclined transversely and a separate runner secured to the lower ends of the shanks.

In testimony whereof I affix my signature in presence of two witnesses.

ERNEST HUNOLD.

Witnesses:

HORATIO E. BELLOWS,
BERTHA J. HUNOLD.