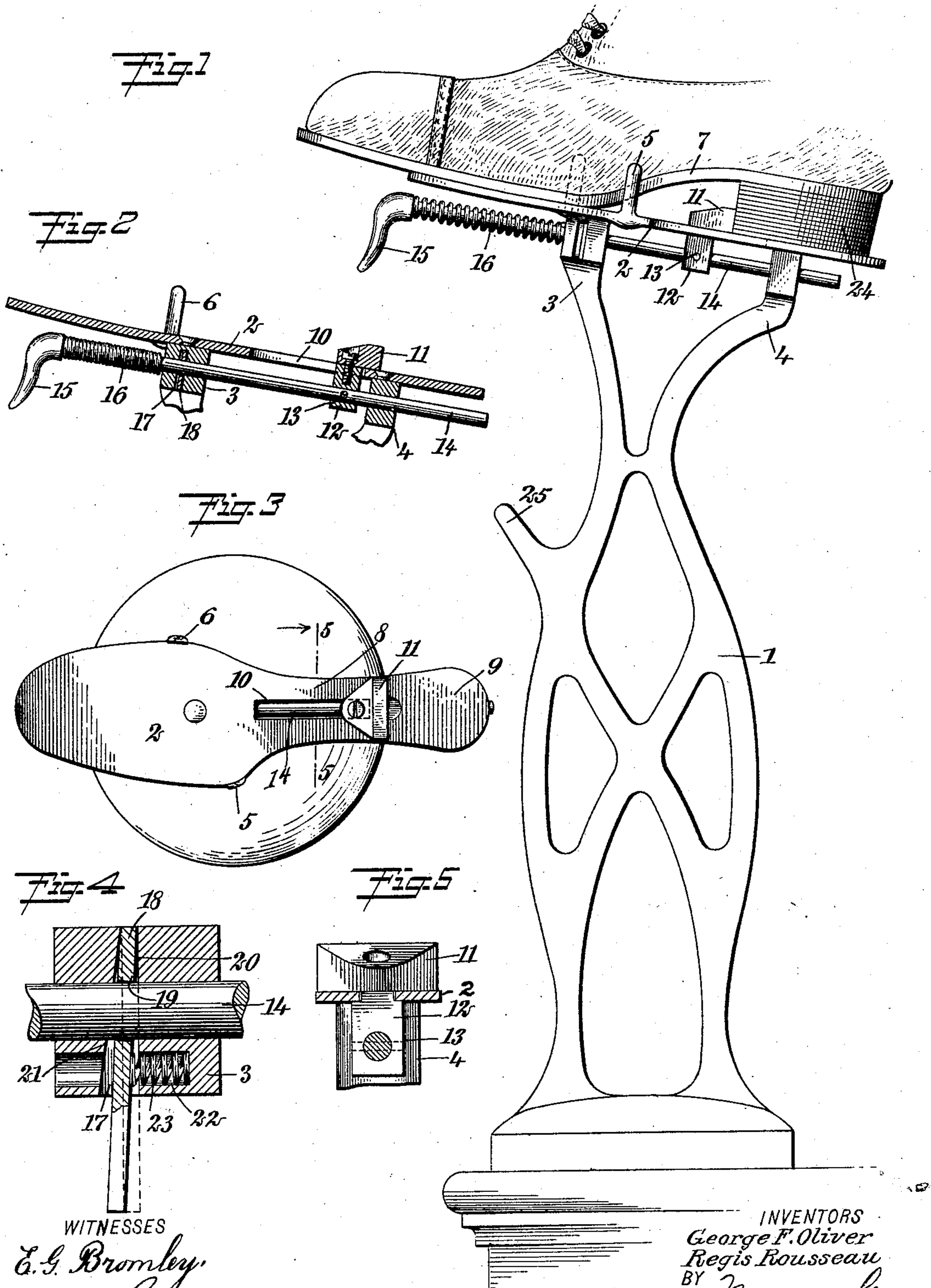


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FOOT REST FOR SHOE SHINING STANDS.
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UNITED STATES PATENT OFFICE.

GEORGE FREDRICK OLIVER AND REGIS ROUSSEAU, OF ILION, NEW YORK; SAID OLIVER
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FOOT-REST FOR SHOE-SHINING STANDS.

No. 929,475.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed November 2, 1908. Serial No. 460,787.

To all whom it may concern:

Be it known that we, GEORGE FREDRICK OLIVER, a citizen of the United States, and REGIS ROUSSEAU, a subject of the King of Great Britain, and both residents of Ilion, in the county of Herkimer and State of New York, have invented a new and Improved Foot-Rest for Shoe-Shining Stands, of which the following is a full, clear, and exact description.

This invention relates to foot rests such as used at shoe-shining stands for supporting the feet when the shoes are being polished.

The object of the invention is to provide a foot rest having a simple construction which will operate to hold the foot rigidly in position and at the same time permit the sides of the shoe to be exposed.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a foot rest constructed according to our invention, and representing the manner in which the device operates in practice; Fig. 2 is a vertical section taken through the foot plate of the rest and showing the details of the construction at this point; Fig. 3 is a plan of the foot rest; Fig. 4 is a section upon an enlarged scale taken in a horizontal plane and illustrating a locking device for holding the parts in the position which locks the shoe to the foot rest; and Fig. 5 is a cross section on the line 5—5 of Fig. 3 and upon an enlarged scale.

Referring more particularly to the parts, 1 represents a standard or upright which constitutes the body of the rest. On the upper end of this standard a foot plate 2 is attached in an inclined position, as shown. This foot plate is attached to a forward arm 3 and a rear arm 4, which arms are formed at the upper end of the standard. The foot plate 2 has the outline of a shoe, as shown in Fig. 3, and on the side edges of the plate, studs 5 and 6 are provided which project upwardly, as indicated. The stud 5 is disposed on the inner side of the foot plate and near the shank 7 of the shoe, as indi-

cated in Fig. 1. By referring to Fig. 1, it will be seen that this stud 5 is located to the rear of the ball of the foot, that is, it is to the rear of the widest point of the last. The stud 6 is disposed forward of this point and nearly opposite to the widest point of the last.

In the neck 8 of the foot plate, which terminates at the rear in a heel 9, a longitudinally disposed slot 10 is formed. Slidably mounted in this slot there is provided a heel clamp or jaw 11. This heel clamp has a downwardly projecting extension or block 12, which is rigidly attached by means of a pin 13 to a stem 14. This stem is mounted to slide longitudinally of the extremities of the arms 3 and 4. The forward end of the stem 14 is provided with a head or handle 15, and against this head a helical spring 16 thrusts, the opposite end of the spring 16 being arranged to thrust against the forward side of the arm 3. This arm 3 is provided with a transverse slit 17, the side walls of which converge, the slit being formed transversely with respect to the stem 14. In this slit a clutch plate 18 is mounted, said clutch plate having a gap or opening 19 through which the stem 14 is adapted to slide. The wall 20 of the slit 17 is disposed in a plane at right angles to this stem, while the opposite wall 21 is inclined, as indicated. The arm 3 is further provided with a pocket 22 in the rear portion thereof which opens into the slit 17 through the wall 20. This pocket is formed by drilling into the arm 3 through the forward face thereof. In the pocket there is received a coil spring 23 which thrusts against the rear face of the clutch plate 18 and tends to force it over against the inclined face 21 of the slit. When the spring presses the clutch plate as described, the edges of the opening 19 bind upon the sides of the stem and lock it against longitudinal movement. The clutch plate 18 projects at the side so that it can be grasped in the hand. It normally occupies the position shown in full lines in Fig. 4, but if pressed over to the position in which it is shown in dotted outline, it releases the stem 14 and permits the stem to be returned by the spring 16 to its normal position.

In using the device, after the foot has been placed on the foot rest, the handle 15 is pushed inwardly so as to slide the stem 14 toward the rear. In this way the foot clamp

11 engages the forward face of the heel 24 of the shoe and forces the shoe toward the rear. In this rearward movement of the shoe, the side edges of the forward part of the sole come against the studs 5 and 6 and they arrest the rearward movement of the shoe. The rearward sliding movement of the stem 14 is not resisted by the clutch plate 18, but the clutch plate operates automatically to lock the stem 14 against return. In other words, the shoe becomes clamped by means of the clamp 11 and the studs 5 and 6. When it is desired to release the shoe, it is only necessary to push the clutch plate 18 toward the rear, that is, into the position indicated by the dotted lines in Fig. 4. On the forward edge of the standard 1, an upwardly projecting horn 25 is formed, over which the polishing cloths may be hung.

Having thus described our invention, we claim as new and desire to secure by Letters Patent,—

1. In a device of the class described, in combination, a foot plate, a jaw adapted to engage the heel of a shoe, means for advancing said jaw, a spring tending to return said jaw, an automatic clutch affording means for locking said jaw against return, and studs engaging the sole of the shoe and cooperating with said jaw.

2. In a device of the class described, in combination, a foot plate, a stem guided longitudinally with respect to the same, a jaw carried by said stem and adapted to engage the heel of a shoe, a spring tending to return said stem, means for locking said stem against return, and studs carried by said foot plate engaging the side edges of the sole of the shoe and cooperating with said jaw.

3. In combination, a stem, a jaw carried thereby adapted to engage a part of a shoe, a spring tending to return said stem, a clutch plate having an opening therein through which said stem passes, means for guiding said stem, and resilient means for pressing said clutch plate against the side of said stem, whereby said clutch plate locks said stem against sliding, and fixed members cooperating with said jaw to clamp the shoe.

4. In a device of the class described, in combination, a stand for clamping a shoe, having a stem sliding longitudinally therein,

a clutch plate having limited movement on said stand and having an opening through which said stem passes, a spring engaging said clutch plate and tending to move the same laterally, a jaw carried by said stem, and fixed members cooperating with said jaw to clamp the shoe.

5. In a device of the class described, in combination, a stand for clamping a shoe, having a stem mounted to slide longitudinally therein, said stand having a slit therein adjacent to said stem, a clutch plate mounted in said slit and having an opening through which said stem passes, a spring thrusting against the side of said clutch plate and tending to force the same laterally to lock said stem, a jaw carried by said stem, and fixed members cooperating with said jaw to clamp the shoe.

6. In a device of the class described, in combination, a foot plate, a jaw, a stem carrying said jaw and guided longitudinally on said foot plate, a clutch plate disposed laterally with respect to said stem having an opening receiving said stem, a spring tending to move said clutch plate laterally to lock said stem against longitudinal movement, a spring tending to return said stem, and fixed members cooperating with said jaw to clamp the shoe.

7. In a device of the class described, in combination, a stand having a pair of arms, a foot plate attached to said arms, a stem sliding longitudinally through said arms, a jaw carried thereby adapted to engage the shoe, studs carried by said foot plate and cooperating with said jaw, one of said arms having a slit therein, a clutch plate mounted in said slit and having an opening receiving said stem, a spring tending to move said clutch plate laterally, a coil spring disposed about the said stem and tending to return the same, and fixed members cooperating with said jaw to clamp the shoe.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

GEORGE FREDRICK OLIVER.
REGIS ROUSSEAU.

Witnesses:

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ALONZO B. ELY.