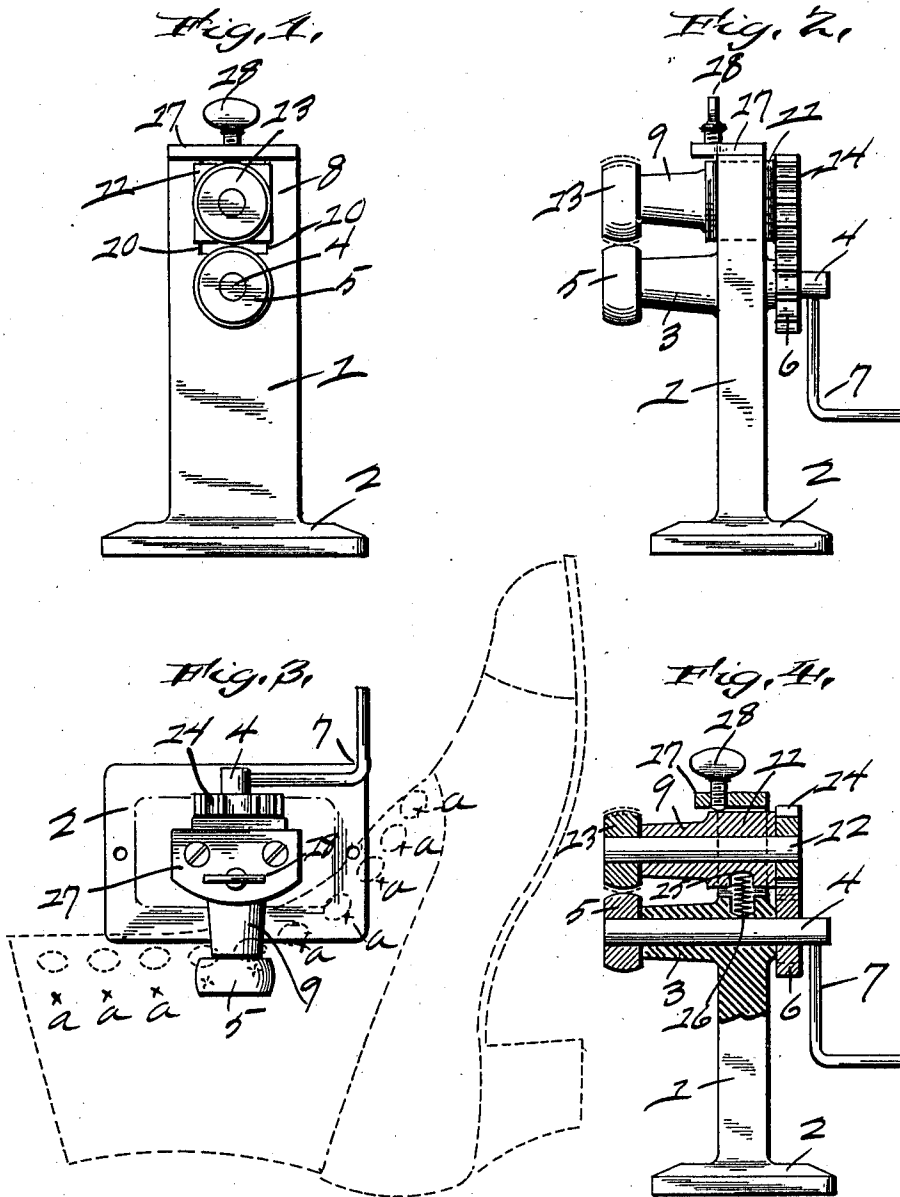


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 DEVICE FOR SMOOTHING HOLES IN RESETTING SHOE BUTTONS.
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1,027,057.

Patented May 21, 1912.



Witnesses,
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UNITED STATES PATENT OFFICE.

EDWARD H. MAGNUS, OF TOLEDO, OHIO.

DEVICE FOR SMOOTHING HOLES IN RESETTING SHOE-BUTTONS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDWARD H. MAGNUS, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented certain new and useful Improvements in Devices for Smoothing Holes in Resetting Shoe-Buttons; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to devices for smoothing out the holes in the button flies of shoes.

It is well known that when buttons are reset, the former position of the buttons are plainly shown by the unsightly holes which remain. These holes are objectionable and often prove a barrier to the sale of a pair of shoes in retail shoe shops. To provide a simple mechanism by which these holes may be pressed and smoothed so as to become nearly invisible the present invention is constructed.

The invention consists of a pair of rollers operated manually by a crank and connected together so as to operate simultaneously, the one roller being firmly mounted while the other is adjustable relative thereto to permit the button fly to be rolled between, the roughened and raised holes being smoothed out by the operation.

In the accompanying drawings illustrative of the invention, Figure 1 is a front elevation; Fig. 2 is a side elevation; Fig. 3 is a plan view; the position which the shoe assumes while being operated being shown in dotted outline; and Fig. 4 is an elevation partly in vertical section.

Referring to the details, 1 indicates a cast frame or support having the expanded base 2 for mounting the device upon a counter or other convenient place.

3 is a laterally extending arm integral with the frame in which is rotatably mounted a shaft 4 having a roller 5 fixed at one end and a gear 6 at the other, a crank 7 providing means for turning the shaft 4 by hand. The upper portion 8 of the frame is recessed to receive a movable arm 9, the sides 10 of the recess serving as guides for the inner end 11 of the arm and guiding the arm as it is adjusted in a vertical direction.

In the arm 9 is mounted a shaft 12 having a

roller 13 fixed at one end to coact with the roller 5 and having a gear 14 at the other end meshing with the gear 6. The inner end 11 of the movable arm has a recess 15 in its lower face and directly opposite in the frame is a like recess, 16 being a coiled spring housed in the recesses, the function of the spring being to force the movable arm away from the stationary arm and hold the rollers apart to any position to which they may be adjusted. In the head piece 17 of the frame is a thumb-screw 18 the inner end of which engages the top face of the movable arm, so that by screwing the thumb-screw down the rollers are brought into firm contact. Thus by manipulating the thumb-screw the rollers may be spaced apart at varying distances to accommodate various thicknesses in the button fly.

In operation, the rollers are adjusted so as to be at a slight distance from each other to permit the ready introduction of the button fly between them. Now by operating the crank handle the roughened and raised holes remaining after the buttons have been reset are rolled and smoothed out. Any variation in the thickness of the fly may be compensated for by manipulating the thumb-screw so that the rollers are instantly adjustable to varying thicknesses of material. It will be observed that the rollers will be maintained apart to any position to which they may be adjusted and that after adjustment they are firmly held to position and incapable of being forced apart.

What I claim, is:—

In a device of the class described, a support having a laterally extending integral arm, a shaft through the arm, a smoothing and pressing roller fixed upon one end of said shaft, an arm guided for vertical movement in the support, a shaft through the movable arm, a smoothing and pressing roller at the end of the last named shaft, intermeshing gears carried by the shafts, a spring operating to force the movable arm away from the integral arm, and a screw to adjust the movable arm relative to the integral arm.

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

EDWARD H. MAGNUS.

Witnesses:

CARL H. KELLER,
GRANT WILLIAMS.