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1,541,997

L. M. PAGE ET AL

HAT LINING BLOCKING MACHINE

Filed Sept. 12, 1924

Fig. 1.

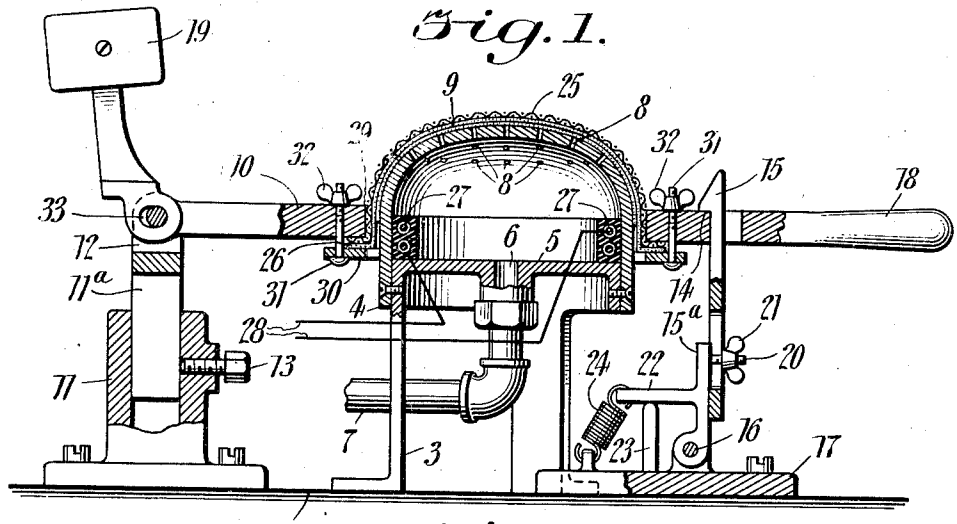
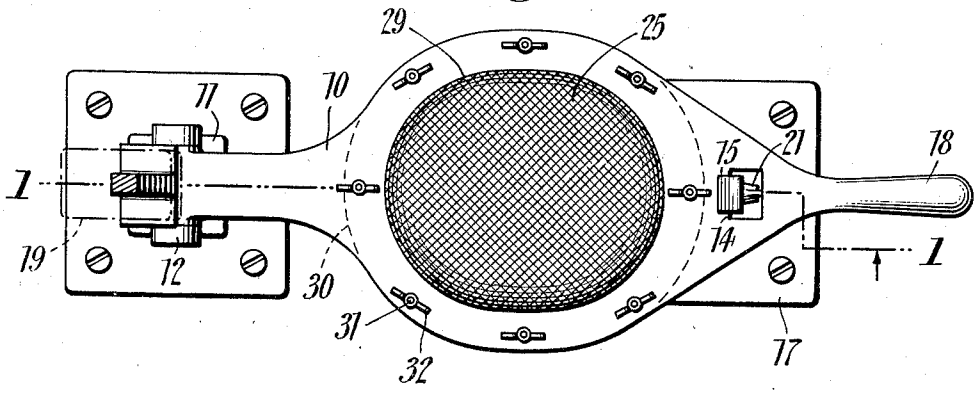


Fig. 2.



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their Attorney.

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UNITED STATES PATENT OFFICE.

LESLIE M. PAGE, OF MAPLEWOOD, NEW JERSEY, AND LOUIS MEYLACH, OF BROOKLYN, NEW YORK.

HAT-LINING-BLOCKING MACHINE.

Application filed September 12, 1924. Serial No. 737,248.

To all whom it may concern:

Be it known that we, LESLIE M. PAGE and LOUIS MEYLACH, citizens of the United States, and residing, respectively, at Maplewood, in the county of Essex and State of New Jersey, and at New York, borough of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Hat-Lining-Blocking Machines, of which the following is a specification.

This invention relates to hat lining blocking machines and has for its object to provide a machine of the class specified, simple in construction, efficient in operation and having means for adjustment for varying requirements.

With these ends in view and others which will appear later herein, our improvements comprise features illustrated in their preferred embodiment in the drawing accompanying this specification wherein Figure 1 is a sectional elevation, on line 1—1 of Fig. 2. Fig. 2 is a plan view corresponding with Fig. 1. The two figures are to the same scale.

In machines of the general character of the machine of the present application simplicity of construction and ease in operation are essential features, as such machines must be operated by relatively unskilled help, and it has been our object to reduce the mechanism of our machine to the fewest possible elements. The device may be mounted on a table or bench 2 at a convenient height from the floor, not shown. Support 3, of hollow construction, is bolted to table 2 and has removably fixed to its upper end hollow block 4 of a dome-like contour. Support 3 has head 5 perforated by steam channel 6. To said channel is connected steam pipe 7 which leads from a known source of steam supply, not shown. The domelike top of block 4 is perforated by a number of small holes 8, 8 through which the steam is given access to the hat lining 9 stretched thereover. Upstanding from table 2 post 11 carries at its upper end pivoted bearing 12 for engagement with one end of yoke 10 and the terminal ear of said yoke preferably has pivot hole 33 therethrough, elongated so that said yoke may freely close down over block 4. Preferably post 11 comprises two members relatively adjustable vertically, member 11^a being slidably mounted in lower member 11 and held in any desired position by set screw 13. The right hand end of yoke 10 has lip 14 for engagement with locking hook 15 pivoted at 16 in base 17 fixed to table 2. Said yoke 10 may be also provided with handle 18 at its right hand end and counterbalance 19 at its left hand end, so that, when said yoke is lifted said counterbalance will prevent its falling. Hook 15 is preferably vertically adjustable, being secured to its lower portion 15^a by screw 20 and wing nut 21. Said lower portion 15^a is provided with stop arm 22 for engagement with post 23 of base 17 and is urged thereto by pull spring 24.

Forming hood 25 is preferably made from loose woven fabric and may have a lining 26 of felt or the like, all adapted to conform to the contour of block 4 when pressed down against the hat lining on said block.

In practice it is found that, if the steam is turned on into block 4 when that block is cold, said steam condenses, the resultant water injuring the hat lining and tending to rust the block. To obviate this objection we preferably provide an auxillary heating device for said block, which may comprise electric heating coil 27 within said block and resting upon head 5 of support 3. Electric current may be conducted to said coil from some known source of supply not shown, by wires 28.

Forming hood 25 is adjustably and removably fixed around the edge of central opening 29 of yoke 10 by ringlike frame 30, secured to said yoke by bolts 31 and nuts 32.

The operation of our improved machine will be readily understood; suffice it to state that, block 4 being suitably heated, yoke 10 is unlatched and lifted, a lining to be pressed is stretched by hand over said block and the yoke lowered and latched in the position of Fig. 1. Then the steam is admitted to said block whereby the lining is steamed and pressed into the desired shape. Steam is then turned off, the yoke lifted and the lining removed.

We claim:

1. In a machine of the character described the combination of a block perforated for the passage of steam, means for supplying steam to said block, a yoke pivoted at one side of said block, a forming hood of flexible material adapted for coaction with said block, carried by said yoke, means for re-

leasably latching said yoke in coacting relation with said block, means for adjusting said latching means vertically, and means for adjusting the pivot of the yoke to compensate for the adjustment of the latching means.

2. In a machine of the character described the combination of a block perforated for the passage of steam, means for supplying steam to said block, auxiliary means for heating said block, a yoke pivoted at one side of said block, a forming hood of flexible material adapted for coaction with said block, carried by said yoke, and means for releasably latching said yoke in coacting relation with said block.

3. In a machine of the character described the combination of a block perforated for the passage of steam, means for supplying steam to said block, an electric heating coil within said block, means for conducting electric current to said coil, a yoke pivoted at one side of said block, a forming hood of flexible material adapted for coaction with said block removably and adjustably mounted on said yoke, and means for releasably latching said yoke in coacting relation with said block.

4. In a machine of the character described the combination of a block perforated for the passage of steam, means for supplying steam to said block, a yoke pivoted at one side of said block, a counterbalance at the pivot end of said yoke, a forming hood of flexible material adapted for coaction with said block removably and adjustably mounted on said yoke, means for releasably latching said yoke in coacting relation with said block, means for adjusting the pivot end of said yoke vertically relatively to said block, and means for adjusting said latching means vertically.

5. In a machine of the character described the combination of a block perforated for the passage of steam, means for supplying steam to said block, a yoke pivoted at one side of said block, a forming hood of flexible material adapted for coaction with said block, carried by said yoke, means for releasably latching said yoke in coacting relation with said block, spring means for urging said latching means to engage said yoke, and a stop for limiting the movement of said latching means.

6. In a machine of the character described the combination of a block perforated for the passage of steam, means for supplying steam to said block, auxiliary means for heating said block, a yoke pivoted at one side of said block, a forming hood of flexible material adapted for coaction with said block removably and adjustably mounted on said yoke, means for releasably latching said yoke in coacting relation with said block, means for adjusting the pivot end of said yoke vertically relatively to said block, means for adjusting said latching means vertically, spring means for urging said latching means to engage said yoke, and a stop for limiting the movement of said latching means.

In witness whereof, we hereby affix our signatures this 8th day of Sept., 1924.

LESLIE M. PAGE.
LOUIS MEYLACH.