R. BUNYAN.

ATTACHMENT FOR SHOE LASTING MACHINES.

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1,022,299. Patented Apr. 2, 1912.

Fig. 1.

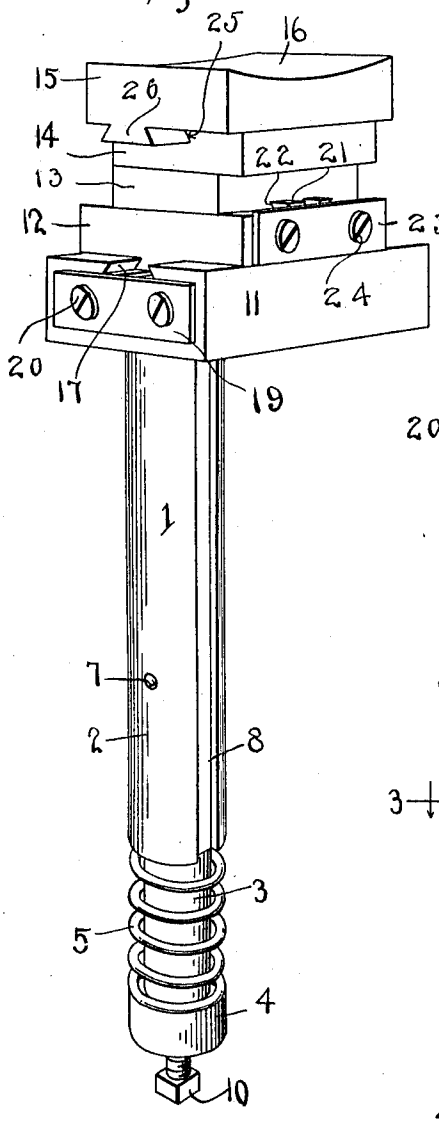

Fig. 2.

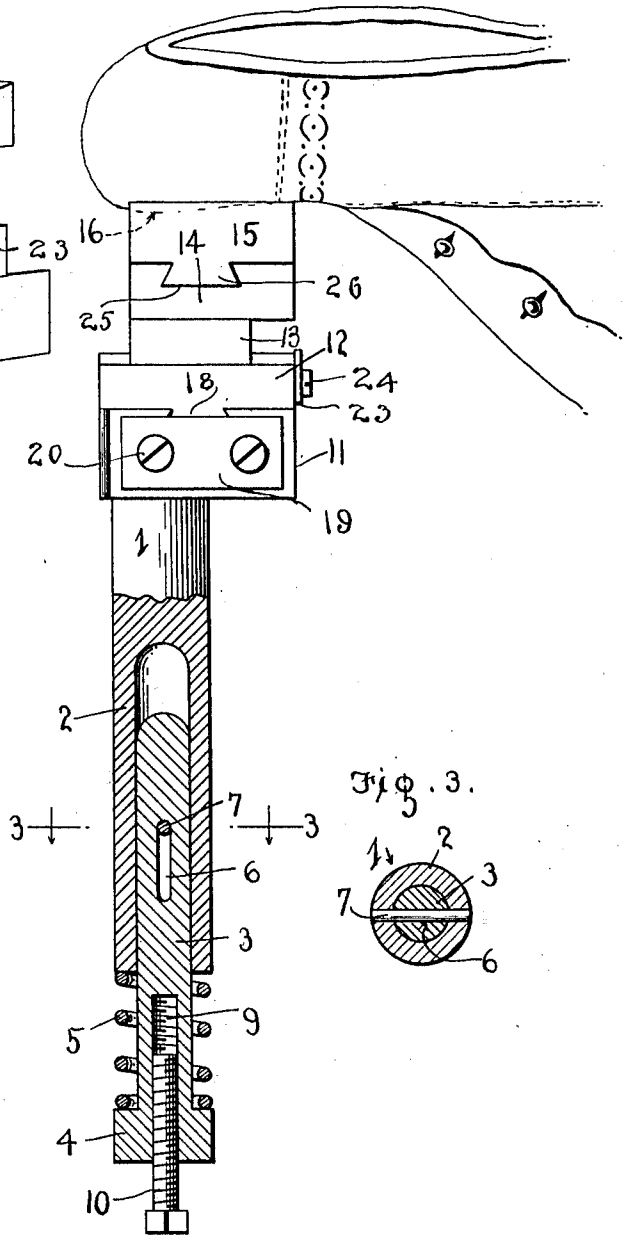

Fig. 3.

Witnesses

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ATTACHMENT FOR SHOE-LASTING MACHINES.

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To all whom it may concern:

Be it known that I, RUSH BUNYAN, a citizen of the United States, residing at Lestershire, in the county of Broome and State of New York, have invented certain new and useful Improvements in Attachments for Shoe-Lasting Machines; and I do 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 improvements in shoe supporting devices for lasting machines.

One object of the invention is to provide an improved construction of post for yieldingly holding the pad for supporting the toes of shoes and maintaining a steady uniform pressure on the tips thereof during the operation of lasting the shoes.

With this and other objects in view the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings; Figure 1 is a perspective view of my improved post; Fig. 2 is a side view partly in section showing the toe of a shoe engaged with the pad of the post; Fig. 3 is a cross sectional view of the same on the line 3—3 of Fig. 2.

Referring more particularly to the drawings, 1 denotes my improved post comprising an outer upper tubular section 2 and a lower inner section 3 having a sliding or telescopic engagement with the bore in the lower portion of the tubular upper section as shown. On the lower end of the inner section 3 is formed a cylindrical head 4 the diameter of which corresponds to the outer diameter of the section 2. The inner end of the head 4 provides a shoulder between which and the lower end of the upper section 2 is arranged a coiled spring 5 forming a cushion or yielding support for the lower section of the post.

In the inner section 3 of the post near its inner end is formed a longitudinal slot 6, through which and through the adjacent sides of the outer section 1 is driven a stop pin 7 which limits the movement of the outer section on the inner section to the extent of the slot 6. In the sides of the outer upper section of the post is formed a longitudinally disposed guide groove 8 to receive the ordinary key or set screw in a bearing on the frame of the machine (not shown) to permit the post to slide longitudinally and at the same time prevent its turning on its axis. In the lower end of the inner member 3 is formed a threaded socket 9 with which is engaged a screw 10 whereby the post is secured in the machine in the usual manner.

On the upper end of the post is arranged the usual head 11 with which is slidably engaged a block 12, a block 13 and a block 14 which is secured to it, being jointly slidable on said block 12, and the pad 15 being slidably engaged with block 14 whereby the resilient pad 15, preferably of rubber, may be adjusted to any desired position relative to the post, said pad being concave, as at 16, to receive the toe of the shoe. In the upper face of the head 11 is formed a dove-tail groove 17 to receive slidably a dove-tail tongue 18 on the lower face of the block 12, the ends of the groove being closed by plates 19 secured by screws 20, the plate 19 at one end not being shown. On the upper face of the block 12 is a dove-tail tongue 21, at a right angle to the groove 17, slidably engage in a dove-tail groove 22 in the underface of the block 13, the sliding movement in one direction being limited by a plate 23 secured by screws 24. The block 14 is preferably rigidly secured to the block 13 and has, in its upper face, at a right angle to the tongue 21 and groove 22 and parallel with the groove 17 and tongue 18, a dove-tail groove 25 to receive a tongue 26 on the underface of the resilient pad 15. The concavity in the upper face of the pad 15 conforms to the shape of and receives the toe of the shoe while the latter is being lasted and as clearly shown in Fig. 2 of the drawings. By thus yieldingly supporting the posts 2 and toe engaging devices on the upper end thereof, a steady uniform pressure will be applied to the toe of the shoe when engaged therewith, thus firmly holding the tip and preventing the bowing or pulling ahead of the same while the shoe is being lasted.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the

principle or sacrificing any of the advantages of the invention as shown.

Having thus described my invention, what I claim is:

1. A shoe supporting post for lasting machines comprising an upper section, a lower section having a telescopic engagement with the upper section, a spring arranged between the lower and upper sections whereby the latter is yieldingly supported, and a series of laterally slidable toe supporting elements, including a resilient pad, supported on the upper end of the upper spring supported section and adapted to receive and yieldingly support the toe of the shoe while being lasted, the slidability of the post sections and the lateral slidable adjustments of the supporting elements affording universal adjustment of the resilient pad.

2. A shoe supporting post for lasting machines comprising an outer upper tubular section, a lower inner section having a telescopic engagement with said outer section, a head formed on the lower end of said inner section, a coiled spring arranged between said head and the lower end of the tubular section of the post whereby the latter is yieldingly supported on the inner section, means to limit the sliding engagement of the outer section with the inner section, a head arranged on the upper end of said outer section, adjustable pad supporting blocks slidably engaged with said head, and a resilient pad adjustably secured to one of said blocks.

3. A shoe supporting post for lasting machines comprising a tubular outer upper section, an inner section having a telescopic engagement with said outer section, said inner section having formed therein near its inner end a slot, a pin inserted through said outer section and through said slot whereby the sliding engagement of the outer section on the inner section is limited, a head formed on the lower end of said inner section, a coiled spring arranged between said head and the lower end of the upper section whereby the latter is yieldingly supported on the lower section, an attaching screw arranged in the lower end of said inner section, a head arranged on the upper end of said outer section, pad supporting blocks having a sliding adjustable engagement with each other and with said head, and a resilient toe receiving pad having an adjustable engagement with one of said blocks, whereby the toe of the shoe is yieldingly supported while the shoe is being lasted.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

RUSH BUNYAN.

Witnesses:
CHARLES G. BLAKESLEE,
HARRY C. PERKINS.