

G. W. MAPLES.
BRAKE SHOE HOLDER.
APPLICATION FILED JUNE 11, 1909.

947,923.

Patented Feb. 1, 1910.

FIG. 1

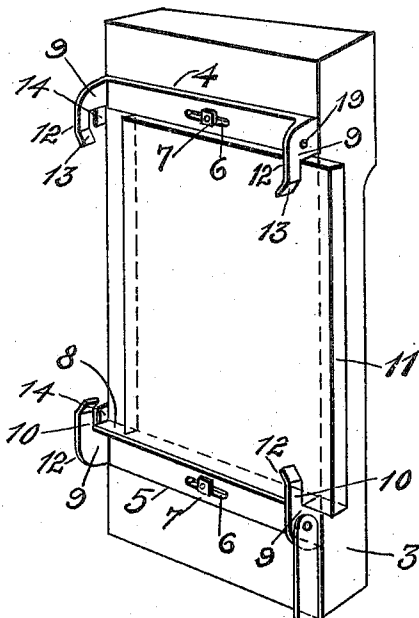


FIG. 2

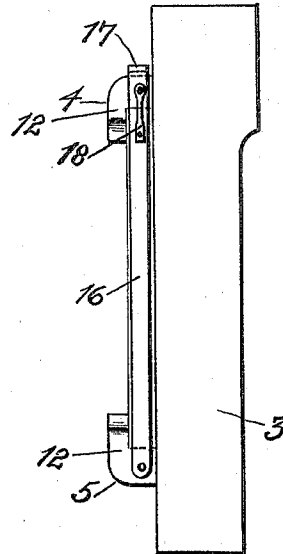


FIG. 3

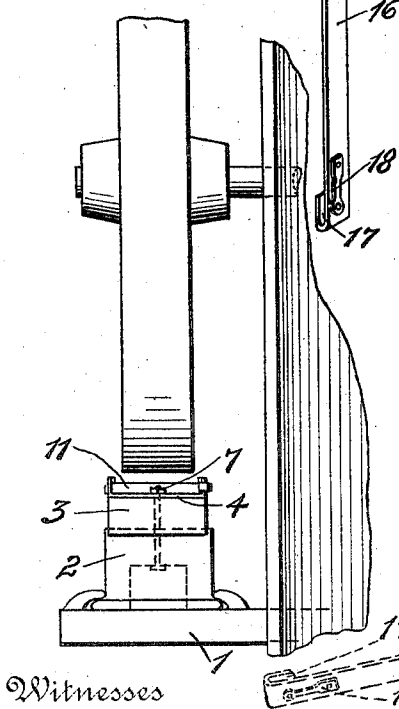
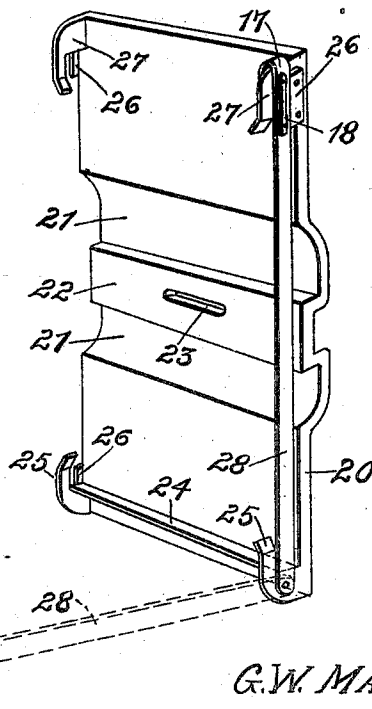


FIG. 4



Witnesses

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GEORGE WASHINGTON MAPLES, OF BOAZ, MISSOURI.

BRAKE-SHOE HOLDER.

947,923.

Specification of Letters Patent.

Patented Feb. 1, 1910.

Application filed June 11, 1909. Serial No. 501,555.

To all whom it may concern:

Be it known that I, GEORGE W. MAPLES, a citizen of the United States, residing at Boaz, in the county of Christian and State of Missouri, have invented certain new and useful Improvements in Brake-Shoe Holders; 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.

My invention relates to brake shoe holders and the object of the invention is the provision of a device of this character which may be readily attached to a brake beam or which may be attached to the brake beam block which is secured within the cuff. In one form of the invention, the attachment is secured directly to the brake beam while in the other form it is secured directly to the brake beam block.

A further object of the invention is to provide a simple, cheap and efficient device of this character which will securely hold the shoes in position and which will permit their removal and renewal with ease and rapidity.

In the drawings, Figure 1 is a perspective view of a brake block removed from the beam with the wear shoe partially inserted in the attachment; Fig. 2 is a side elevation of the blocks showing the locking lever in locking position; Fig. 3 is a top plan view of the device showing the brake beam broken away; and Fig. 4 is a perspective view of a modified form of the device showing an all metallic shoe holder.

Referring more particularly to the drawings and especially to Figs. 1 to 3, 1 represents the end of an ordinary brake beam which has secured thereto the usual block attaching cuff 2, in which is positioned the brake block 3. In ordinary use of brakes for vehicles, the block 3 has heretofore been applied directly to the wheel or a shoe has been tacked to the brake block and used until worn out. This manner of supplying shoes was very inconvenient and took considerable time. In order to avoid these difficulties, I have attached to the upper and lower portions of the face, brackets 4 and 5, each provided with central, horizontal slots 6, which are adapted to receive the securing bolts 7, whereby the brackets may be adjusted transversely of the blocks in order to accommodate the device to vehicles having different treading

gages. The lower bracket comprises a supporting table 8, which is formed of one sheet of material and has downwardly projecting reinforcing pieces 9, on either side thereof. These reinforcing pieces have tongues 10, projecting upwardly above the table 8. The tongues are bent inwardly as shown so as to prevent disengagement of the wear shoe, which rests upon the table 8. The upper bracket 5, consists simply of a flat sheet of metal with outstanding ears having downwardly projecting, inwardly turned tongues 13, which overhang the block 11 and act to hold the same in position. Upon the outer side of each bracket, there is secured to the ears 12, and the reinforcing piece 9, the arms 14, which extend downwardly and upwardly, respectively, and act to prevent lateral displacement of the shoe 11. Pivoted to the opposite reinforcing piece 9, is a swinging latch arm 16, which is provided at its upper end with a hook portion 17, adapted to engage over the ear 9 vertically above, so as to prevent lateral displacement of the arm. Secured to the outer face of the arm, adjacent the hook portion, is a spring catch 18, which passes through an aperture in the arm and enters an aperture 19, in the ear 12. This locks the device in latching position and prevents the displacement of the shoe, it being securely held between the arm and the lugs or arms 14.

In the modification shown in Fig. 4, there is shown an all metallic brake block shoe holder which comprises a back plate 20, having a centrally depressed portion 21, with a raised channel part 22, formed therein. This channel portion is adapted to receive the brake beam and is provided with a horizontal slot 23, to adjustably receive the attaching bolt.

The lower portion of the block holder is provided with a block supporting table 24, and retaining lugs or ears 25. The usual retaining arms 26, are connected to the upper retaining lugs 27, and the pivoted latch arm 28, is pivoted as heretofore described to the reinforcing members of the table 24.

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 this invention.

Having thus described my invention, what I claim is:—

5 A brake shoe holder comprising a support, a shoe supporting table thereon, lugs projecting from said support to maintain the shoe in place on the table, means to prevent lateral displacement of the shoe in one
10 direction, a swinging arm pivoted to one of

said lugs and adapted to engage another lug to prevent lateral displacement in the opposite direction, and means to lock the arm in latching position.

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

GEORGE WASHINGTON MAPLES.

Witnesses:

E. E. WADE,
W. T. JONES.