

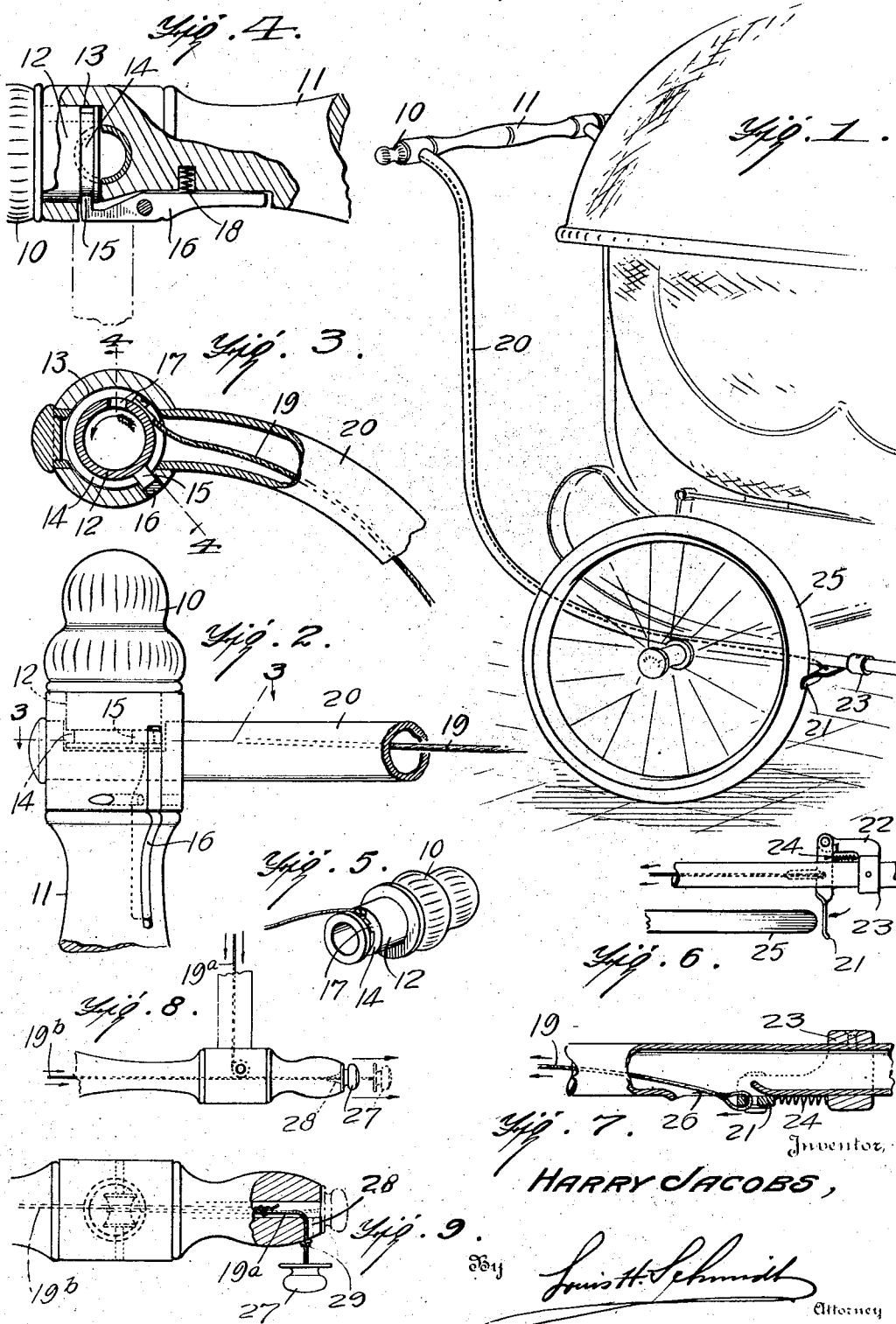
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H. JACOBS

BRAKE FOR BABY CARRIAGES

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UNITED STATES PATENT OFFICE.

HARRY JACOBS, OF NORFOLK, VIRGINIA, ASSIGNOR OF ONE-FOURTH TO LOUIS KLEIN, OF NORFOLK, VIRGINIA.

BRAKE FOR BABY CARRIAGES.

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To all whom it may concern:

Be it known that I, HARRY JACOBS, residing at Norfolk, county of Norfolk, and State of Virginia, a citizen of the United States, have invented certain new and useful Improvements in Brakes for Baby Carriages, of which the following is a specification.

In the present form of brakes for baby carriages, perambulators or the like, great difficulty is often experienced in applying the brake, which must be accomplished by extending the foot sufficiently far beneath the body of the baby carriage as to render the operation quite difficult, to say nothing of the cutting, scratching or marring of the toe or the front part of the operator's shoe, as it frequently requires a great deal of effort to get the toe in its proper position under the spring actuated release to affect the spring release of the usual construction. To eliminate the aforesaid and other disadvantages in the usual form of brakes for baby carriages, I provide a simple hand-operated brake mechanism which is located on the usual handle bar, having a simple connecting means passing through the hollow or tubular handle to a suitable brake shoe. The scope of my invention extends to whatever construction is defined by or is included within the terms or language of the appended claims.

In the drawing,

Figure 1, is a view in perspective of the rear portion of a baby carriage, embodying my invention,

Figure 2, is a bottom plan view of one end of the handle and handle bar,

Figure 3, is a central section on the line 3—3, of Figure 2,

Figure 4, is a section on the line 4—4 of Figure 3, partially in elevation,

Figure 5, is a view in perspective of the operating knob,

Figure 6, is a partial plan view showing the manner of connecting the brake shoe,

Figure 7, is a detail section through the frame, showing Figure 6,

Figure 8, is a plan view of another form of hand operated means, and

Figure 9, is an end view of what is shown in Figure 8, partially in section.

My invention, in the form or embodiment shown in the drawing, and briefly described, comprises an oscillatory hand operated knob 10, which is preferably mounted in the

end of the usual handle bar 11. The knob 10, is provided with a reduced shank portion 12, which is adapted to fit within a hole 13, in the end of the handle bar 11.

A circumferential groove 14, is provided near the outer end of the reduced shank portion 12, for the purpose of engaging an inwardly extending lug 15, integral with a pivoted latch 16, for permitting the knob 10, to be rotated without its being disengaged from within the handle bar 11. Suitably located within the groove 14, is an opening 17, for permitting the entering of the lug 15, when the knob 19, has been rotated until the said opening 17, is opposite the lug 15, when it will be forced into the opening by means of the spring 18, as when the knob is turned in the direction shown by arrow in Figure 3. As it will be readily seen by referring to Figures 2, 3 and 4, the latch 16, is so located and fitted within the handle bar 11, as to normally be out of the way and invisible, it being made to conform to the shape of the handle bar.

One end of a flexible cable or wire 19, is securely fastened within the groove 14, adjacent to the opening 17, said cable or wire passing downward through the tubular members 20, and it is connected at its opposite end to the pivoted brake shoe 21.

The brake illustrated in Figure 1, 6 and 7, comprises a brake shoe 21, which is pivoted to an arm 22, which is integral with a collar 23, pinned or otherwise fastened to the horizontal tubular portion 20. One end of a spring 24, is attached to the brake shoe 21, and its opposite end suitably secured to the arm 22, for the purpose of normally keeping the brake shoe out of engagement with the wheel 25. The slot 26, preferably located in the lower portion of the tubular portion 20, permits the free movement of the cable 19, in operating the brake shoe 21.

It will then be readily seen that the entire brake mechanism is so located as to render it obscure and very effective. When it is desired to release the brake it is necessary to merely press the outer end of the latch 16, which will be slightly extended beyond the periphery of the handle against the tension of the spring 18, at which time the spring 24, releases the brake shoe 21, and resets the knob 10, to its initial position.

In Figures 8 and 9, are illustrated another

form of brake release, in which I may employ two cables 19^a and 19^b, for releasing the brake shoe already described. In this form the cables are passed over suitable pulleys within the handle bar so that they may be easily operated, and are secured at one end to an operating button 27. For holding the brakes in their locked position, the cable may be passed downward so that it may engage into a slot 28, where it will hold it in position, due to an enlarged portion or knot 29, which is provided in the cable.

It is to be understood that I may provide other forms of locking means than is shown in the drawing, and the scope of my invention is to be ascertained from the following claims.

I claim—

1. A brake for baby carriages comprising tubular handles, a stationary handle bar provided with a bore extending through one end thereof, said bore being in communication with the opening in the adjacent end of one of the handles, a movable brake shoe adapted to engage a wheel of said baby carriage, hand actuating means carried by the handle bar and flexible means located within said handle bar and the tubular handle for connecting said hand actuating means with the brake shoe.

2. A brake for baby carriages comprising a movable brake shoe adapted to engage a wheel of the baby carriage, a stationary handle bar, hand actuating means carried by said handle bar, a latch adapted to engage with the hand actuating means for retaining it in its locked position and flexible means located within said handle bar and the tubular handle interposed between and connecting the said hand actuating means and the brake shoe.

3. A brake for baby carriages, comprising hand actuating means located within and carried by the usual handle bar, and con-

sisting of a knob having a reduced portion provided with an annular groove, a spring actuated latch, adapted to engage within said groove, for preventing the displacement of the knob from the handle bar, a pivotally mounted brake shoe adapted to engage a wheel of said carriage, and flexible means located within the usual tubular handle for connecting the said hand actuating means with the brake shoe.

4. A brake for baby carriages, comprising hand actuating means located within and carried by the usual handle bar, consisting of a rotatably mounted knob having a reduced portion provided with an annular groove, and an opening within the groove, a spring actuated latch provided with an inwardly extending lug, adapted to engage within said groove to prevent the removal of the knob from within the handle bar, and to engage within said opening for holding the knob in its locked position, a pivotally mounted brake shoe adapted to engage a wheel of said baby carriage, and flexible means located within the usual tubular handle for operating the brake shoe from said handle bar.

5. A brake for baby carriages comprising a movable brake shoe adapted to engage a wheel of the baby carriage, a stationary handle bar, hand actuating means carried by said handle bar, locking means comprising a latch adapted to engage with the hand actuating means for retaining it in its locked position, said latch, when in its operative position being flush with and of the same contour as the handle bar, and flexible means located within said handle bar and the tubular handle interposed between and connecting the said hand actuating means and the brake shoe.

In testimony whereof I hereunto affix my signature.

HARRY JACOBS.