No. 619,223. Patented Feb. 7, 1899.

J. RAMEY & C. MITSCHOW.

BRAKE HANDLE COVER.

(Application filed July 7, 1897.)

(No Model.)

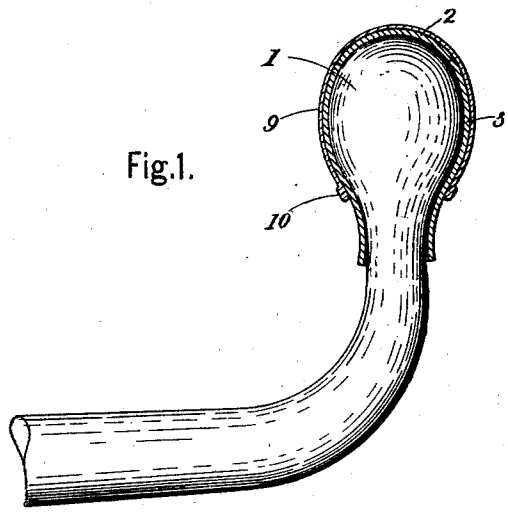


Fig.1.

Fig.2.

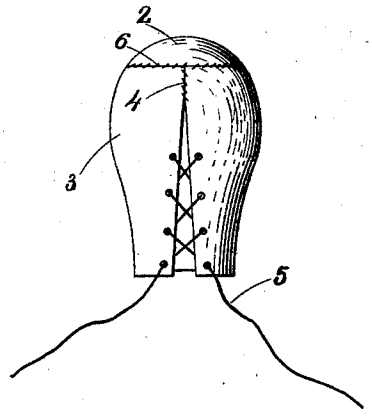


Fig.3.

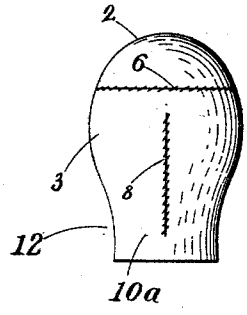


Fig.4.

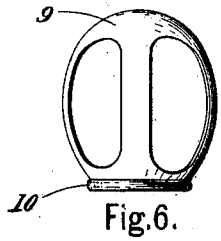
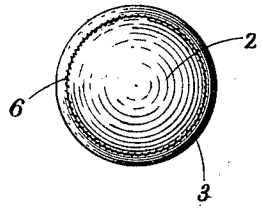
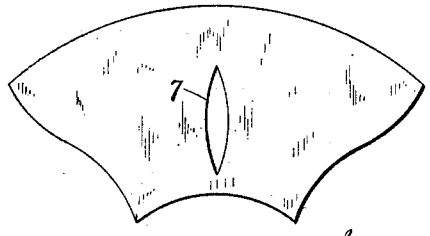


Fig.6.

Fig.5.





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UNITED STATES PATENT OFFICE.

JOHN RAMEY AND CHARLES MITSCHOW, OF BUFFALO, NEW YORK.

BRAKE-HANDLE COVER.

SPECIFICATION forming part of Letters Patent No. 619,223, dated February 7, 1899.

Application filed July 7, 1897. Serial No. 643,781. (No model.)

To all whom it may concern:

Be it known that we, JOHN RAMEY and CHARLES MITSCHOW, citizens of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Brake-Handle Covers, of which the following is a specification.

Our invention relates to a new and improved cover or cap for brake-handles; and its chief object is to provide a suitable means for protecting the hands of the motormen on electric or other cars, all of which will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 represents a side elevation of a portion of a brake-handle, showing a central sectional elevation of our improved brake-cap and its elastic holder in position thereon. Fig. 2 represents a detached side elevation of the brake-handle cap, showing a modification of the means for holding it onto the brake-handle. Fig. 3 also represents a side elevation of the brake-handle cap, showing the side opposite to that shown in Fig. 2. Fig. 4 represents a detached side elevation of the elastic holder. Fig. 5 represents a top view of the brake-handle cover, the elastic holder being omitted. Fig. 6 represents a face view of the blank from which the brake-cap is formed.

When operating an uncovered brake-handle, the metal knob or top portion of the handle turns in the hand of the operator and either slowly wears away the skin of the hand or causes it to become calloused in some places and to blister in others, thus resulting in great discomfort and sometimes serious injury. The object of our invention is to avoid this.

In referring to the drawings for the details of the construction like numerals represent like parts.

The cap is preferably formed of leather or some analogous material that will slip or turn easily on the knob 1 of the handle, and, if desired, a little powdered soapstone can be placed upon the interior surface of the cap to decrease the friction still more. The cap is preferably constructed of two pieces of leather 2 and 3, 2 representing the top portion of the cover, which is substantially circular in form, and 3 the body portion, which is formed substantially as shown in Fig. 6.

The top edge of the body portion is secured to the surrounding edge of the substantially circular top portion by means of sewing, stitching, or other equivalent fastening, as shown at 6 in Fig. 2. The sides of the body portion are also united to each other by sewing or stitching for a short distance from the juncture with the top portion, substantially as shown at 4 in Fig. 2.

When the cap has been placed over the knob, it may be secured thereto by drawing the unsewed portions of the side edges together by means of the lacing 5 (see Fig. 2) or by placing an outer elastic cap or holder, preferably formed of rubber, over the leather cap, as shown in Fig. 1. This outer cap or holder 9, which is our preferable fastening, is provided with an enlarged or thickened bottom edge or ring 10, which contracts around the reduced portion of the handle below the knob, and thus holds the cap in place thereon.

The body portion 3 is provided with a slot or opening 7, the edges of which are drawn and secured together by stitching or sewing, as shown at 8 in Fig. 3, thus providing means for fitting the cap snugly around the curving portion of the knob.

This device is easily attached to and detached from the knob and absolutely prevents the rubbing or grinding effect caused by the rotation of the knob within the hand during the revolutions of the handle, as the knob rotates within the inner cap.

The outer elastic cap is preferable as a fastening means, as it not only holds the inner cap in place, but it furnishes a nice yielding surface for the hands of the operator, thus avoiding the necessity of wearing gloves in the summer, a great source of discomfort.

We claim as our invention—

The combination with a handle adapted to revolve and having an enlarged knob, of an inner cap of leather adapted to be placed upon said knob, and to rotate thereon, and an outer elastic cap adapted to be placed over the inner cap to secure it in place and also to furnish a soft yielding surface for the hands of the operator, as set forth.

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Witnesses:
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