

J. N. REYNOLDS.  
HAND COVERING.  
APPLICATION FILED OCT. 14, 1919.

1,346,683.

Patented July 13, 1920.

2 SHEETS—SHEET 1.

*Fig. 1.*

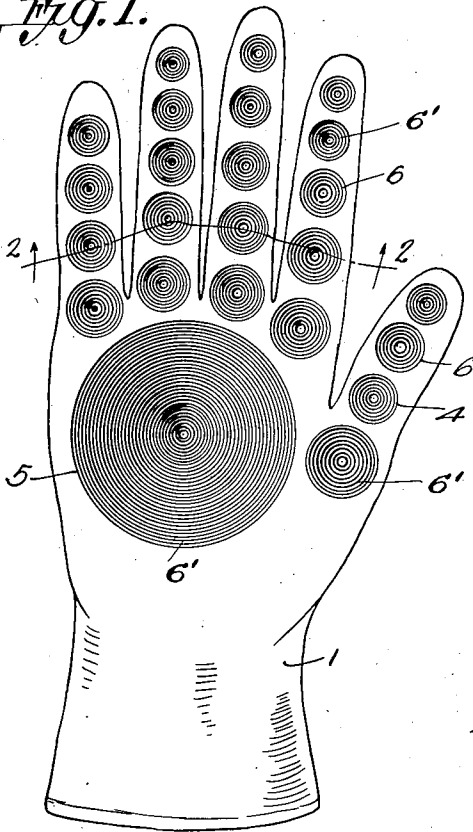


*Fig. 2.*

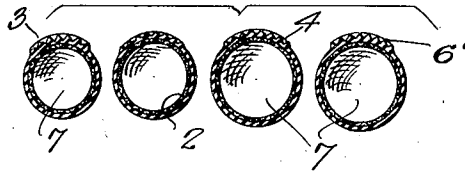


*Fig. 3.*

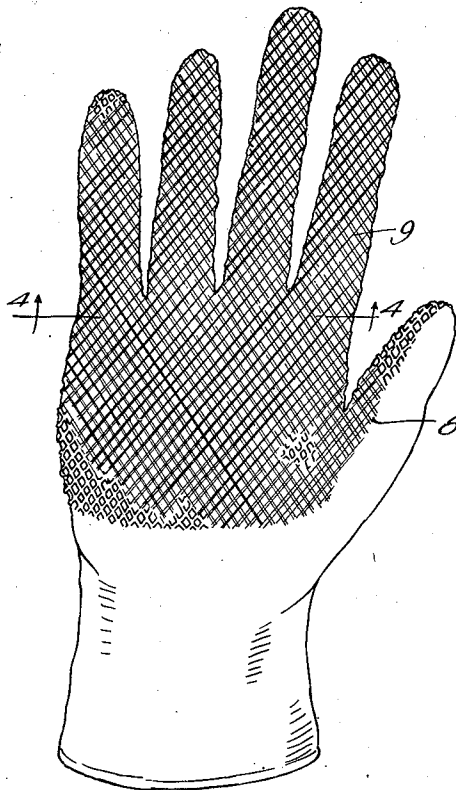
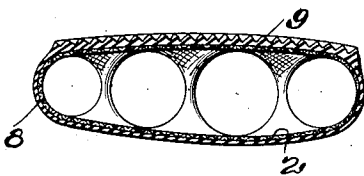


*Fig. 4.*



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2 SHEETS—SHEET 2.

*Fig. 5.*

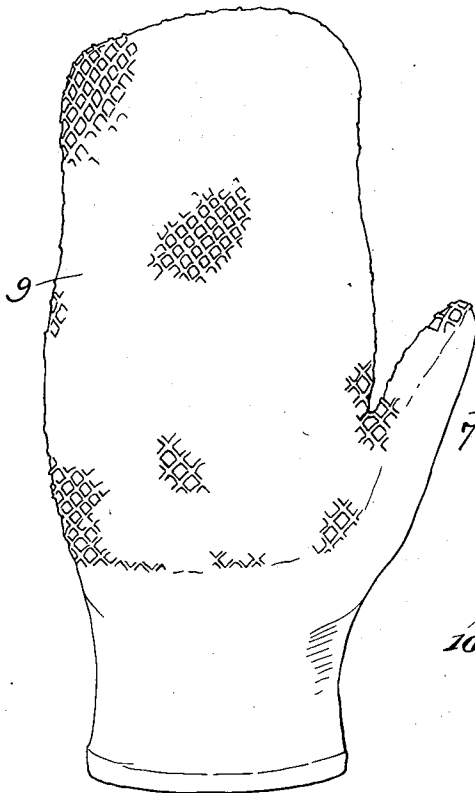


*Fig. 6.*

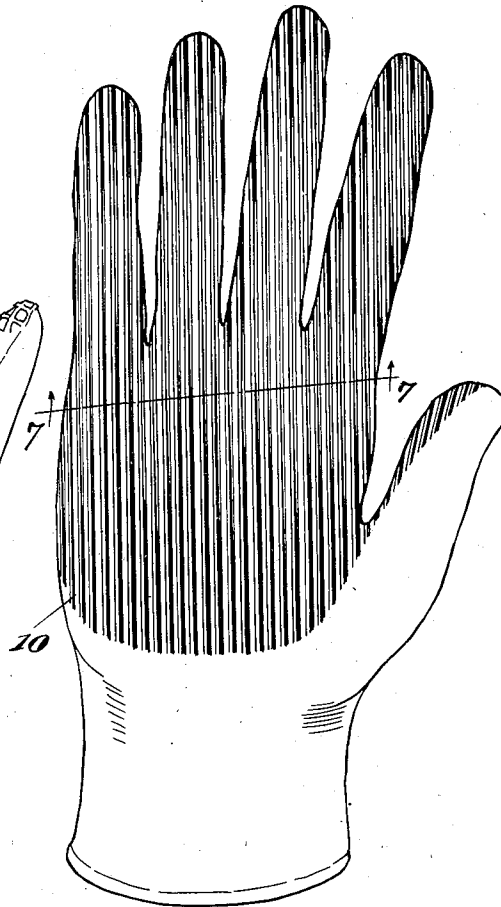
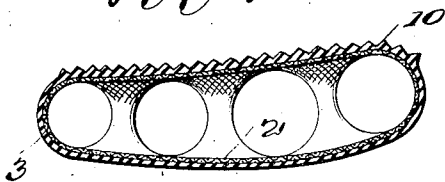


*Fig. 7.*



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# UNITED STATES PATENT OFFICE.

JOSEPH N. REYNOLDS, OF ATLANTIC, IOWA.

## HAND-COVERING.

1,346,683.

Specification of Letters Patent.

Patented July 13, 1920.

Application filed October 14, 1919. Serial No. 330,542.

*To all whom it may concern:*

Be it known that I, JOSEPH N. REYNOLDS, a citizen of the United States, residing at Atlantic, in the county of Cass and State of Iowa, have invented certain new and useful Improvements in Hand-Coverings, of which the following is a specification.

The object of this invention is to provide a glove or mitten which will permit the wearer to obtain an effectual grip upon tools or implements operated and controlled by him and is designed more particularly for automobilists to enable them to maintain a firm hold upon the steering wheel of an automobile.

In traveling over rough or slippery roads accidents are frequently caused by the steering wheel slipping in the hand of the driver so that the steering gear frequently becomes locked and disastrous results follow. My invention seeks to provide an inexpensive and simple device by which the safety of the occupants of an automobile will be assured and accidents due to the failure of the operator to control the steering wheel at all times and under all circumstances will be prevented. To this end I provide a glove or mitten with a gripping surface which will positively prevent slipping of the steering wheel in the hand of the operator.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of one embodiment of my invention;

Fig. 2 is a cross section on the line 2—2 of Fig. 1;

Fig. 3 is a view of another embodiment of the invention;

Fig. 4 is a section on the line 4—4 of Fig. 3;

Fig. 5 is a view of a mitten embodying the invention;

Fig. 6 shows another embodiment of the invention;

Fig. 7 is a section on the line 7—7 of Fig. 6.

The glove 1 will, in its general features, be of the usual construction having a wrist portion, a palm portion, and a thumb and fingers. The glove will preferably be constructed of textile material such as canvas, indicated at 2, and upon the gripping or working surfaces of the textile glove, I apply a thin membrane of rubber, indicated at 3, and vulcanize this membrane onto the canvas or other textile material so that it

will be inseparably connected therewith. The rubber will be serrated, ribbed or otherwise provided with a roughened surface, as shown at 4. The membrane may be given various forms and in Fig. 1 I have illustrated one application of the invention in which a plurality of circular gripping surfaces are provided on the glove in the palm of the same, as shown at 5, and at intervals along the fingers and thumb, as shown at 6. The working face of the membrane will have circular or spiral ribs 6' formed thereon and it will be obvious that the roughened surface thus produced will permit the user to maintain a firm grip upon the steering wheel of the vehicle under all circumstances. By providing a thin rubber membrane upon a textile body, I avoid excessive weight of the glove so that it may be worn under all weather conditions without discomfort and while I have shown complete fingers 7 it is to be understood that the back of the glove and the backs of the fingers may be open, if preferred, when the glove is to be worn in hot weather. It is also to be understood that, while the membrane is shown extending entirely around the fingers in Fig. 2, a plurality of separate membranes having the respective areas defined by the several groups of ribs may be employed.

In Figs. 3 and 4 I have shown the glove provided with a single continuous membrane 8 upon the surface of which intersecting ribs 9 are formed, the membranes and the ribs extending over the entire palm portion of the glove and over the entire inner surfaces of the fingers and being shown as extending over the innermost portion of the thumb but not entirely over the face of the thumb. It may, of course, extend over the entire face of the thumb if so desired. A single membrane such as shown in Fig. 3 may be more rapidly applied to the glove than a plurality of small separated membranes such as indicated in Fig. 1 and may, therefore, be preferable as the cost will be somewhat less than is the case with the embodiment of the invention illustrated in Fig. 1, but the form shown in Fig. 1 may perhaps produce a glove, the flexibility of which will be considered greater or more desirable than is the case with the glove shown in Fig. 3. However, the particular form of the membrane and the particular design of the gripping surface imparted thereto may be varied at will, the essential

feature being the provision of a light comfortable glove which will have a rough gripping surface so that a firm hold upon the steering wheel of a vehicle may be maintained.

The invention is not confined to gloves but may be applied to mittens, and in Fig. 5 I have shown a mitten provided with a rubber membrane having intersecting ribs 9 of the same form as those shown in Fig. 3. In Figs. 6 and 7, the gripping surface is shown in the form of parallel ribs 10 extending from the wrist portion of the glove to the tips of the fingers.

Having thus described the invention, 15 what is claimed as new is:

A hand covering comprising a textile body, and a rubber membrane vulcanized upon the outer surface only of the body, said membrane having a plurality of closely- 20 arranged definite projections forming a roughened gripping surface approximately coextensive with the palm and finger portions of the textile body, the area uncovered by the projections being slight relative to 25 the area covered by them.

In testimony whereof I affix my signature.

JOSEPH N. REYNOLDS. [L. s.]