

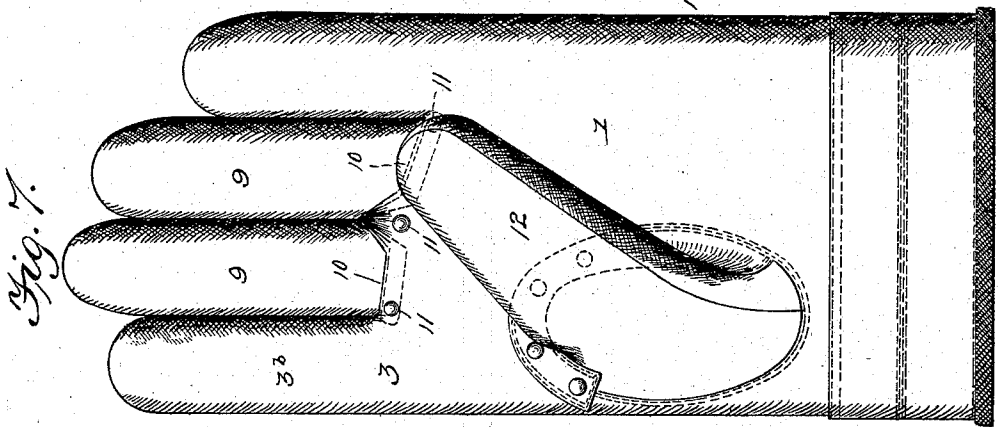
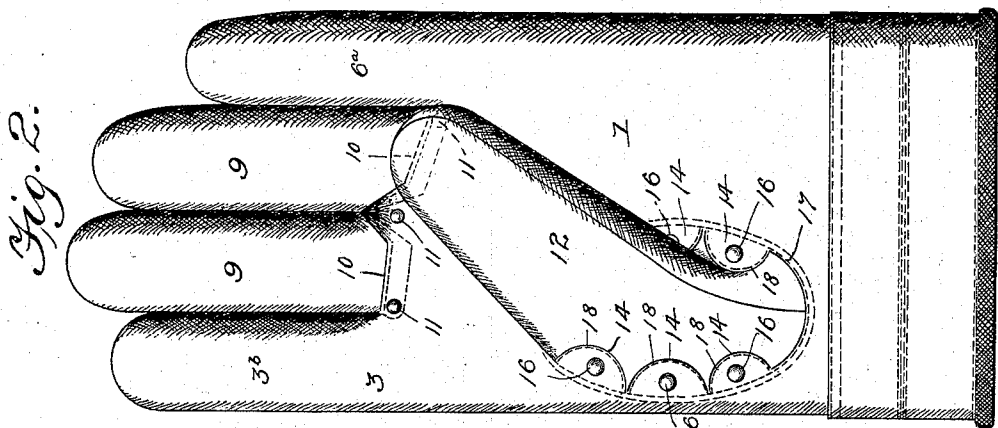
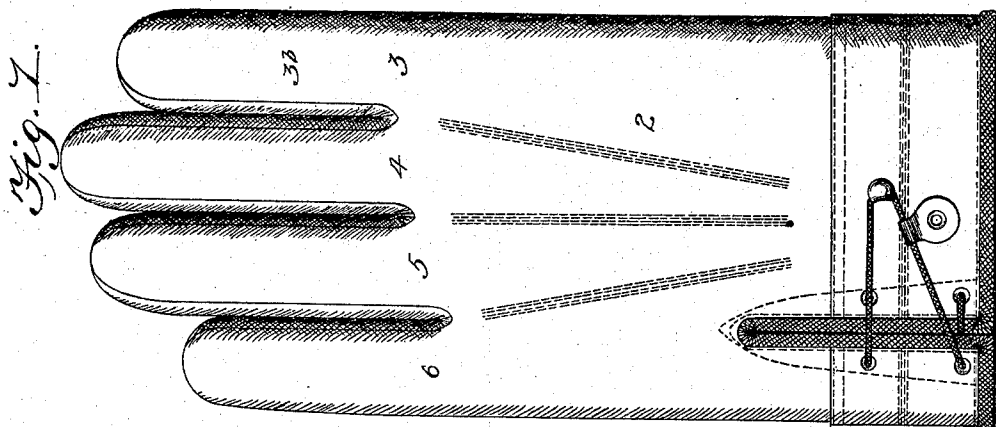
(No Model.)

2 Sheets—Sheet 1.

J. COMRIE.
GLOVE.

No. 573,447.

Patented Dec. 22, 1896.



Inventor
Jennings Comrie.

Witnesses

E. A. Monroe

By *Nis* Attorneys,

C. E. Hoyle

C. A. Snow & Co.

(No Model.)

2 Sheets—Sheet 2.

J. COMRIE.
GLOVE.

No. 573,447.

Patented Dec. 22, 1896.

Fig. 4.

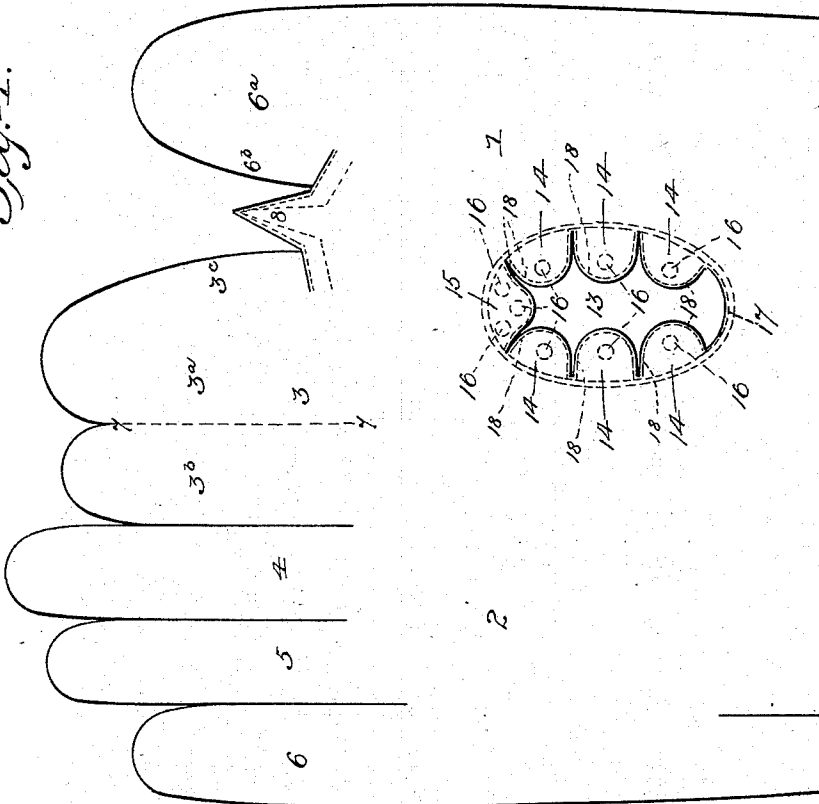


Fig. 6.

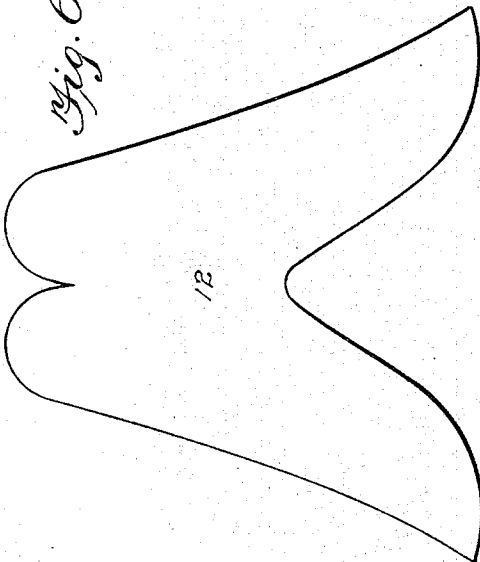


Fig. 5.

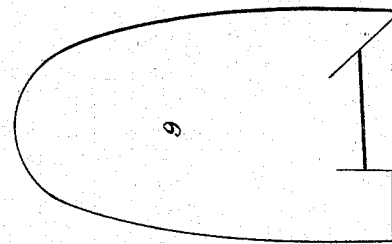


Fig. 5.

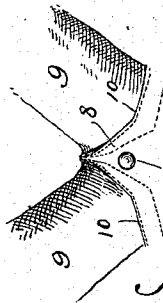
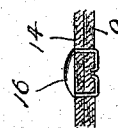


Fig. 8.



Inventor

Jennings Comrie,

By his Attorneys,

C. A. Snow & Co.

Witnesses

E. N. Monroe

C. E. K. Wolf

UNITED STATES PATENT OFFICE.

JENNINGS COMRIE, OF MILWAUKEE, WISCONSIN.

GLOVE.

SPECIFICATION forming part of Letters Patent No. 573,447, dated December 22, 1896.

Application filed January 16, 1896. Serial No. 575,734. (No model.)

To all whom it may concern:

Be it known that I, JENNINGS COMRIE, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and useful Glove, of which the following is a specification.

My invention relates to gloves and particularly to improvements upon the constructions shown, respectively, in Patents No. 395,954, granted January 8, 1889, and No. 416,358, granted December 3, 1889, the object of the present invention being to provide means for strengthening the glove at and near the bases of the middle fingers to prevent said fingers from unnecessarily wearing or straining at this point; to provide means for preventing the separation of the glove between said middle fingers, and, furthermore, to prevent wearing of the reinforcing means employed at the base of the thumb.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claims.

In the drawings, Figure 1 is a view of the back or outer side of the glove. Fig. 2 is a view of the palm or inner side of the same. Fig. 3 is a detail perspective view of a portion of the glove to show the reinforcing extension between the inner or intermediate fingers. Fig. 4 is a plan view of the blank forming the palm and body or main portion of the glove. Fig. 5 is a similar view of the blank forming the inner side of one of the intermediate fingers. Fig. 6 is a similar view of the blank forming the thumb. Fig. 7 is a view of the palm or inside of a glove of slightly-modified construction, the same being similar to that illustrated in the above-mentioned Patent No. 416,358, wherein the reinforcing extension between the middle-finger stalls is employed. Fig. 8 is a detail sectional view of a portion of a glove, showing one of the rivets in engagement with the parts of the material secured thereto.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

In the hand-glove, 1 designates the main or palm fold; 2, the back fold, which, as shown

in the plan view of the blank or pattern, Fig. 4, may be made integral when it is intended to construct the glove of the same material and grade of material throughout. Integral with the palm and back folds are the finger extensions, including the index-finger extension 3, the middle-finger extension 4, the ring-finger extension 5, and the little-finger extensions 6 and 6^a. The index-finger extension 3 is adapted to fold upon itself, as indicated by the dotted line 7 7, to form both the inner and outer sides 3^a and 3^b of the finger, the inner-side flap 3^a being provided with a lateral ear 3^c to fold toward the back and occupy a position between the index and middle fingers; the extensions 4, 5, and 6 forming the backs, respectively, of the middle, ring, and little fingers, while the extension 6^a forms the front or inner side of the little finger and is provided with a lateral ear 6^b, which is designed to fold rearwardly and connect with the inner edge of the extension 6, which forms the back or outer side of the little finger and lies between the little finger and the ring-finger.

Disposed in the interval between the extensions 3 and 6^a, and integral with the main or palm fold 1, is a tapered or wedge-shaped reinforcing extension 8, adapted, as shown in Fig. 4, to be cut from the material between the contiguous edges of the ears 3^c and 6^b. This reinforcing extension being arranged approximately midway between the contiguous edges of the extensions 3 and 6^a occupies a position, when the blank is folded, opposite the interval between the finger extensions 4 and 5. When the blanks 9 which form the front or inner sides of the middle and ring fingers are attached, this reinforcing extension 8 is extended rearwardly between the middle and ring fingers and covers, conceals, and protects the seam or joining between the contiguous sides of the blanks 9, and the lines of stitching, whereby the side edges of the extension 8 are secured to the finger-blanks 9, respectively engage said blanks upon opposite sides of the seam, whereby the contiguous edges of the blanks are united.

The ears 3^c and 6^b of the index and little finger stalls are detached at their lower ends from the palm-fold to enable them to fold

around in the manner described by means of slits springing from the base of the wedge-shaped reinforcing extension 8 and extending laterally in downwardly-inclined directions, the inclination of these slits being less than the sides of the reinforcing extension, whereby when the blank is folded to bring the palm and back-hand folds into their proper relative positions the extension 8 is adapted to occupy a position between the middle and ring finger stalls and extend through to the rear or back-hand fold of the glove. In other words, the side edges of the reinforcing extension are arranged at a more abrupt inclination than the slits by which the lower ends of the ears 3^a and 6^b are separated from the main or body portion of the blank, and the interval between the remote extremities of said slits is approximately equal to the combined widths of the middle and ring finger stalls, as will be seen by reference to Fig. 2. Thus by forming the front or inner sides of the intermediate fingers separate from the main blank a seam 10 is provided at the inner side of the base of each of said fingers, and by duplicating the row of stitching, the contiguous portions of the finger and main blanks being overlapped, a strong reinforced connection is provided.

It is my intention in constructing gloves for driving or other purposes involving rough usage and excessive friction upon the palm or inner surfaces to further strengthen the joints between the intermediate-finger blanks 9 and the main fold 1 by means of rivets 11, the same being disposed to engage the overlapping portions of said finger-blanks and main fold between the above-mentioned duplicate rows of stitching. The projecting portions or heads of these rivets are preferably rounded and smoothed to avoid engagement or unnecessary friction with objects grasped by the wearer, and by reason of being arranged contiguous to the rows of stitching, particularly at this point of the glove, the rows of stitching are protected or held from contact with the object grasped. It is well known that no portion of the palm of a glove is subjected to greater wear, with the exception of the portion contiguous to the base of the thumb, than the point contiguous to the bases of the middle and ring fingers, and hence by the use of metallic or similar hard contact points or projections formed by the rivets the durability of this portion of the glove is vastly increased, irrespective of the fact that the stitching which I prefer to employ at the bases of the middle and ring fingers is held out of contact with the objects grasped.

The thumb-blank 12 is arranged in a thumb-hole 13, said thumb-hole being provided at opposite sides with a plurality of rounded reinforcing ears or extensions 14 (shown clearly in Fig. 4) and at the inner or upper end with an approximately wedge-shaped ear or extension 15, all of which are stitched to the

outer surface of the thumb-blank, as shown in Fig. 2. Each of these ears or extensions is further secured by means of a rivet 16, the ear or extension 15 being preferably secured by means of a plurality of said rivets, as shown by dotted lines in Fig. 4, inasmuch as this is the point of greatest strain. The rivets in this position, as in the other above described, perform the additional function of contact or wearing points or projections, which protect the contiguous stitching by preventing contact of the glove contiguous to said points or projections with other objects.

I am aware that it is not new to arrange strengthening or reinforcing ears or extensions upon opposite sides of a thumb, the same being illustrated in the above-named Patent No. 395,954; but I have found in practice that it is preferable to employ a plurality of smaller or narrower ears or extensions, such as those illustrated at 14, inasmuch as they may be more readily secured to the thumb-blank, accommodate themselves more readily to the position which they occupy when attached to said thumb-blank, and add to the strength of this portion of the glove by reason of the increased number of stitches required. Each ear must be stitched across the base and also around the edge, the line of stitching 17 across the bases of the ears being that by which the edge of the thumb-blank is secured to the palm-fold. Furthermore, the lines of stitching 18 around the edges of the ears or extensions 14 are arranged approximately in line with strain applied to the thumb-blank, and it is well known that stitches arranged in line with the strain are more durable and will resist a more severe tension than those which are arranged across or transverse to the strain.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having described my invention, what I claim is—

1. A glove having a main blank comprising back and palm portions, all of the index and little finger stalls and the backs of the intermediate-finger stalls, and also provided between the inner sides of the index and little finger stalls with a tapered or wedge-shaped reinforcing extension 8 from the base of which extend laterally and downwardly inclined slits by which ears 3^a and 6^b, at the contiguous sides of the index and little finger blanks, are separated at their lower ends from the palm portion of the blank, the side edges of the reinforcing extension being arranged at a more abrupt inclination than the said slits, and auxiliary thumb and intermediate-finger blanks adapted to be secured to the backs which are integral with the main portion of the blank, and to be secured at their lower ends to the palm-fold contiguous to the said inclined slits, whereby the reinforcing exten-

sion projects between and is secured to the bases of the intermediate-finger stalls, substantially as specified.

2. A glove having a thumb-hole and provided at each side of said hole with a plurality of integral reinforcing ears or extensions, a thumb-blank secured in the thumb-hole with the said ears or extensions stitched to the outer surface thereof, the stitching being arranged across the base and around the edge of each ear or extension, and a rivet engaging each ear or extension and the thumb-blank out of the lines of stitching and projecting beyond the exposed surface of the ear or extension to protect the stitches, substantially as specified.

3. A glove having a thumb-hole and provided at each side of said hole with a plurality of integral reinforcing ears or extensions and at the inner end of the hole with a fur-

ther reinforcing ear or extension, a thumb-blank secured in the thumb-hole with the said ears or extensions stitched to the outer surface thereof, the stitching being arranged across the base and around the edge of each ear or extension, and a rivet engaging each ear or extension and the thumb-blank and projecting beyond the exposed surface of the ear or extension to protect the stitches, a plurality of rivets being arranged in the ear or extension which is formed at the inner end of the thumb-hole, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JENNINGS COMRIE.

Witnesses:

HERBERT KINNE,
H. K. CURTIS.