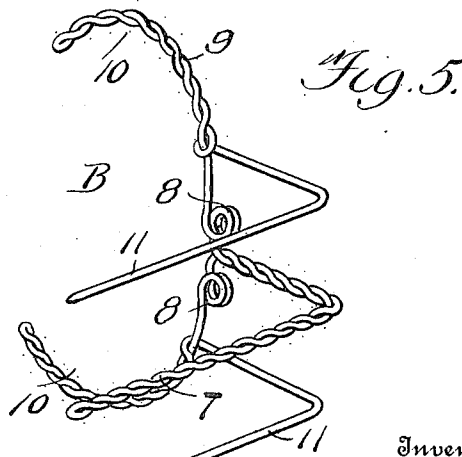
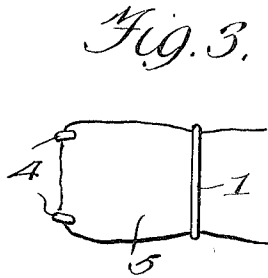
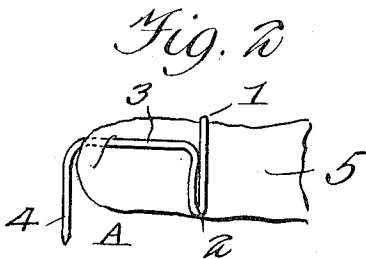
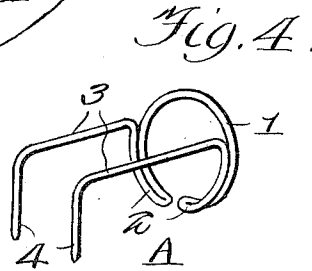
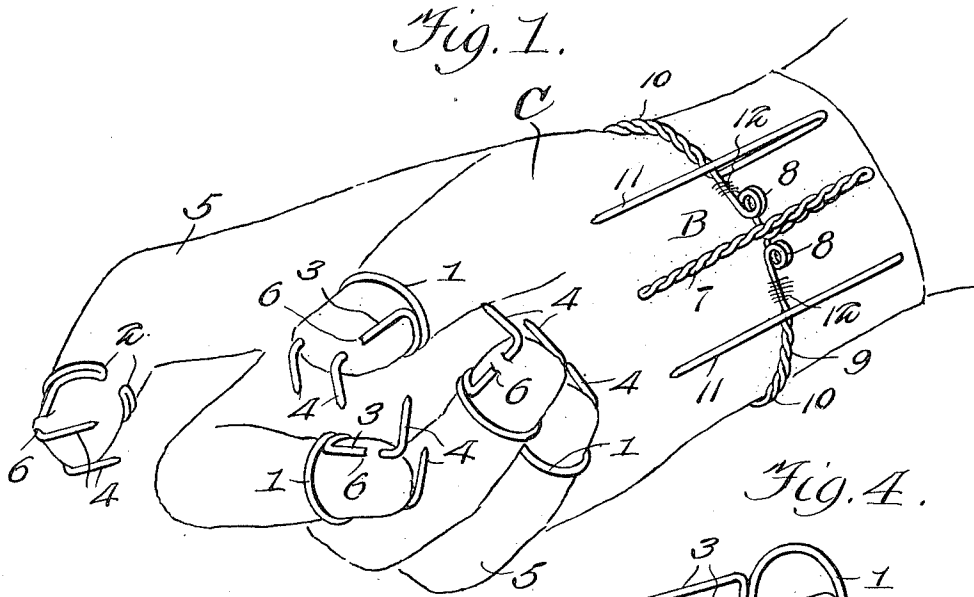


1,038,925.

Patented Sept. 17, 1912.



Witnesses

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Wm. R. Raper

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UNITED STATES PATENT OFFICE.

FRANKLIN P. McCOIG, OF DURANT, OKLAHOMA, ASSIGNOR OF ONE-HALF TO ALBERT F. NINKE, OF INGLEWOOD, CALIFORNIA.

COTTON-PICKER.

1,038,925.

Specification of Letters Patent.

Patented Sept. 17, 1912.

Application filed November 15, 1911. Serial No. 660,350.

To all whom it may concern:

Be it known that I, FRANKLIN P. McCOIG, a citizen of the United States, residing at Durant, in the county of Bryan and State of Oklahoma, have invented new and useful Improvements in Cotton-Pickers, of which the following is a specification.

This invention relates to cotton picking devices, and it has particular reference to that class of picking devices wherein a glove worn by the operator is equipped with cotton engaging barbs or prongs.

The object of the present invention is to produce simple and efficient barb devices which may be readily applied to and used in connection with an ordinary glove.

A further object of the invention is to produce a glove equipped with cotton detaching barbs and with cotton retaining barbs whereby a considerable quantity of cotton may be retained by the hand of the operator before discharging the same into a receptacle.

With these and other ends in view which will readily appear as the nature of the invention is better understood, the same consists in the improved construction and novel arrangement and combination of parts which will be hereinafter fully described and particularly pointed out in the claims.

In the accompanying drawing has been illustrated a simple and preferred form of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that changes, alterations and modifications within the scope of the claims may be resorted to when desired.

In the drawing,—Figure 1 is a perspective view of a glove equipped with detaching and retaining barbs in accordance with the invention. Fig. 2 is a view in side elevation of one finger of a glove to which a picking or cotton detaching device has been applied. Fig. 3 is a top plan view of the same. Fig. 4 is a perspective view of one of the cotton detaching devices detached from the glove. Fig. 5 is a perspective view showing the cotton retaining device detached from the glove.

Corresponding parts in the several figures are denoted by like characters of reference.

The cotton detaching device A is formed of a single piece of wire by bending the central portion of the same to form a nearly

circular finger engaging hoop 1 adjacent to which the ends of the wire are bent to form U-shaped loops 2, 2 from the outer limbs of which the ends of the wire extend approximately at right angles to form shanks 3, 3, the terminal ends of which are bent to form downturned hooks 4. The hoop 1 is formed of suitable dimensions to engage a thumb or a finger of the operator, as the case may be, it being understood that the device being formed of resilient wire, said hoop will readily accommodate itself to the fingers of various sizes. It is obvious, however, that the hoops may be made of various dimensions to provide for fitting the device to gloves or fingers of different sizes.

In applying the detaching device A to the fingers and thumb of a glove, the said fingers and thumb 5 are punctured with an awl to form apertures 6 for the passage of the hooks 4 and the outer extremities of the shanks 3. The body of the finger or thumb is then inserted through the space between the loops 2, 2 into the hoop 1. After equipping the thumb and each finger of the glove with one of the detaching devices, it will be readily seen that when the glove is drawn upon the hand the first joints of the fingers and thumbs will readily be engaged by the hoops of the detaching devices which will thus be securely retained in position for operation.

A retaining device is formed, preferably of a single piece of wire, by twisting the middle portion of the same to form an L-shaped finger 7 adjacent to the base of which spring coils 8 are formed. The ends of the wire extending from the spring coils are doubled upon themselves and partially twisted, as shown at 9, said twisted portions being bent to form wrist engaging loops 10, this portion of the device thus constituting a resilient bracelet adapted to engage and to partially surround the wrist of the glove. The terminals of the wire are bent to form L-shaped fingers 11, disposed adjacent to opposite sides of the twisted L-shaped finger 7. The retaining device which as a whole is designated by B may be secured by stitching 12 upon the wrist portion of a glove C, the L-shaped fingers 7 and 11 extending beneath the palm. When the glove is drawn upon the hand, the wrist engaging loops 10 will clamp the wrist of the wearer and will be securely retained in position by the re-

siliency of the spring coils 8 which also permit the said wrist engaging loops to yield sufficiently to permit the glove to be readily drawn on or off.

5 The operation and advantages of this invention will be readily understood from the foregoing description, taken in connection with the drawing hereto annexed. The operator wearing a glove equipped with the
10 detaching and retaining devices A and B is enabled to detach the cotton locks very easily and quickly, and several locks may be simultaneously detached from bolls, as will be readily understood.

15 The L-shaped fingers which extend beneath the arm constitute a receptacle in which a large quantity of cotton locks may be accumulated and retained until it is desired to discharge the same which may be
20 conveniently done by straightening out the fingers to disengage the hooks 4 of the detaching devices from the cotton, after which the accumulated cotton may be readily slid from beneath the fingers 7 and 11 and
25 dropped into a bag or other receptacle.

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

30 1. In a cotton picking device, a detaching device formed of a single piece of wire, the same being bent at the central portion thereof to form a nearly circular resilient finger engaging hoop, the ends of the wire being doubled to form U-shaped loops at the ends
35 of the hoop and the outer ends of said loops being bent to form hooked shanks lying approximately at right angles to the resilient hoop.

2. In a cotton picking device, a glove, resilient finger engaging hoops surrounding the fingers of said glove, and hooked shanks
40 extending from said hoops through the ends of the glove fingers, the latter being provided with apertures for the passage thereof.

3. A glove finger having apertures at the outer end thereof, a resilient hoop surrounding the finger, loops formed upon the ends
45 of the hoop, and hooked shanks extending from the loops through the apertures.

4. A cotton picking device comprising a glove, a retaining device, the latter comprising a bracelet engaging and partly surrounding the wrist of the glove, and L-shaped fingers extending from said bracelet
50 beneath and spaced from the palm of the glove and in the direction of the fingers, and hooked detaching members connected with the glove fingers.

5. A cotton picking device comprising a glove, a retaining device including a bracelet engaging and partly surrounding the
60 wrist of the glove, said bracelet having spring coils, and said bracelet being provided with L-shaped fingers extending beneath and spaced from the palm of the glove in the direction of the fingers, and
65 hooked detaching members connected with the glove fingers.

In testimony whereof I affix my signature in presence of two witnesses.

FRANKLIN P. McCOIG.

Witnesses:

VICTOR C. PHILLIPS,
E. J. CARAWAY.