

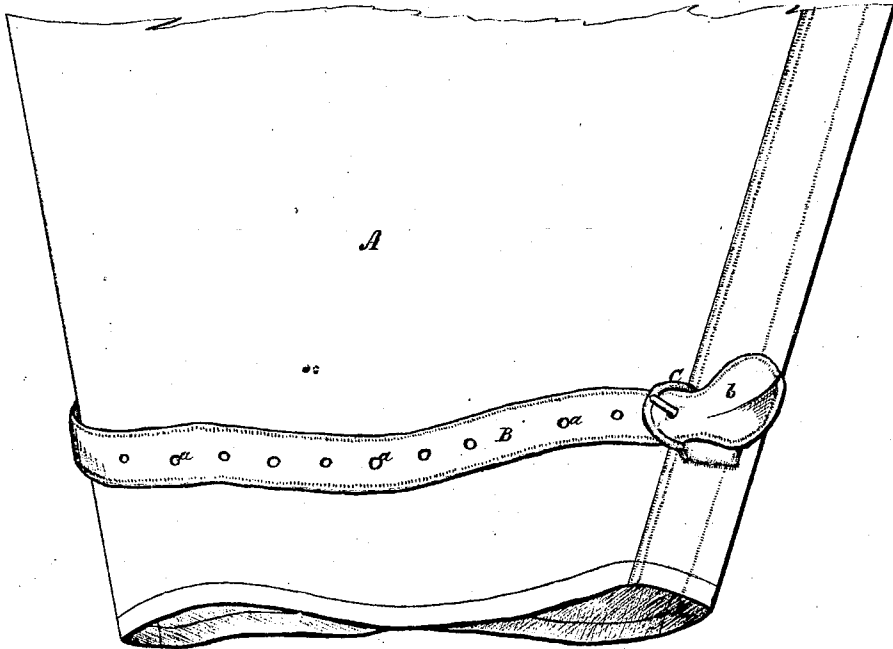
*H. F. Herkner,*

*Closing Ends of Coat Sleeves.*

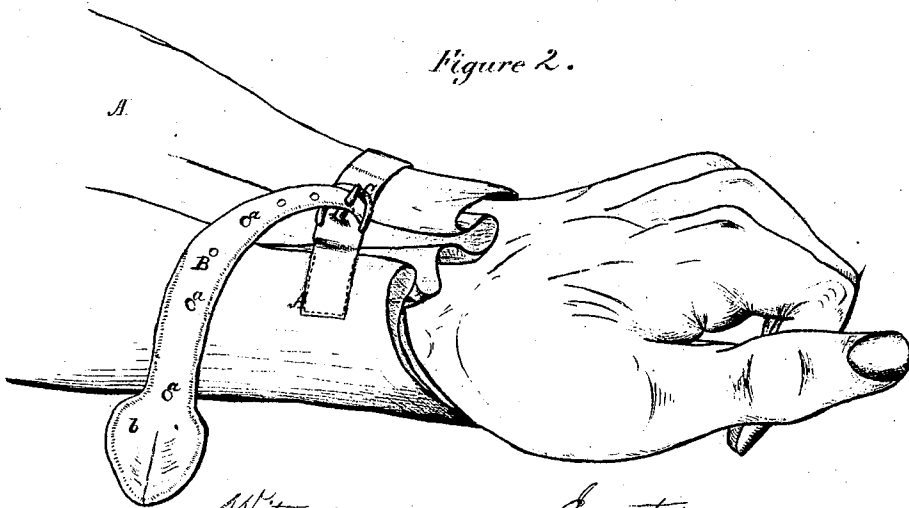
*No. 103816.*

*Patented May 31, 1870.*

*+ Figure 1*



*Figure 2.*



*Witnesses*  
*P. A. Devine,*  
*M. Smith.*

}

*Inventor.*  
*Henry F. Herkner,*  
*By his Attorneys,*  
*Wepferman & Johnson.*

# UNITED STATES PATENT OFFICE.

HENRY F. HERKNER, OF NEW YORK, N. Y.

IMPROVEMENT IN DEVICES FOR CLOSING THE ENDS OF COAT-SLEEVES.

Specification forming part of Letters Patent No. **103,816**, dated May 31, 1870.

*To all whom it may concern:*

Be it known that I, HENRY F. HERKNER, of the city, county, and State of New York, have invented a new and useful Improvement in Devices for Closing the Ends of Coat-Sleeves or other Garments, which I denominate the "Firemen's Buckled-Sleeve Coat;" and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and in which—

Figure 1 represents a portion of a sleeve, showing the attachment of my improved self-confining buckle-strap. Fig. 2 represents a view in perspective, showing the sleeve as applied to the arm and closed tightly around the wrist by my improved attachment.

My invention is especially adapted to firemen's water-proof coats; and it consists in the attachment to the wrist portions of the sleeves thereof of a strap and buckle, the former being so constructed as to be always confined within the latter, and therefore ready for use, thus avoiding the necessity of having to insert it into the buckle when so required for the purpose of closing the sleeves tightly around the wrists of the wearer to prevent the entrance of water down the sleeves in the handling of hose-pipe or other occupations requiring the use of water-proof coats. The entrance of water into firemen's sleeves is one of the chief difficulties with which they have to contend in endeavoring to keep themselves dry, for, while it is exceedingly disagreeable to have their arms wet, the abrasion of their wet sleeves tends to scald their arms to a degree that renders their use not only painful, but exceedingly injurious to their health, frequently producing rheumatism, and is a source of other infirmities. It is the object of my improvement to remedy these disadvantages by rendering the coat water-proof to the arms as well as the body.

In the accompanying drawings, A represents a portion of the sleeve of a water-proof

coat, to the wrist of which a strap, B, of suitable length, is stitched at one of its ends and passed through a buckle, C, at its other end, also stitched to the wrist of the sleeve. The strap B is provided with a number of holes, *a*, at suitable distances, into which the tongue of the buckle C may be inserted as the sleeve is closed and secured tightly around the wrist. It would be too inconvenient, and therefore not adapted to a fireman's coat-sleeve, to be compelled to insert the closing-straps into the buckles when required. To remedy this objection the strap is constructed so as to be self-confining, and is never out of its buckle. This is effected by making the end of the strap larger than the buckle, so that it cannot be drawn through it without being folded and doubled up. This enlarged end, as shown at *b* in the drawings, also serves as a handle by which the strap is grasped and tightened, and therefore, while serving to lock it in its buckle, is exceedingly useful in handling the strap.

I have described my improvement as especially adapted to firemen's coats; but it is obvious that it is equally useful for seamen's, cartmen's, and miners' coats.

The strap B, instead of being stitched to the sleeve at its end, may be so fastened in the middle of its length, one end carrying the buckle and its enlarged end tipped with metal or other material to prevent it from being folded, and the buckle may be without tongue, or other suitable fastening used instead.

Having thus described my invention, I claim—

The strap B, with enlarged end *b* passing through the buckle C, or its equivalent, and attached to the end of the sleeve for the purpose of securely closing the end thereof, as herein shown and described.

HENRY F. HERKNER.

Witnesses:

JOHN C. STEVENS,  
WM. W. POST.