

(No Model.)

A. J., H. C. & W. C. NEEDHAM.  
LINK FOR FASTENING CUFFS, &c.

No. 490,413.

Patented Jan. 24, 1893.

Fig: 1.

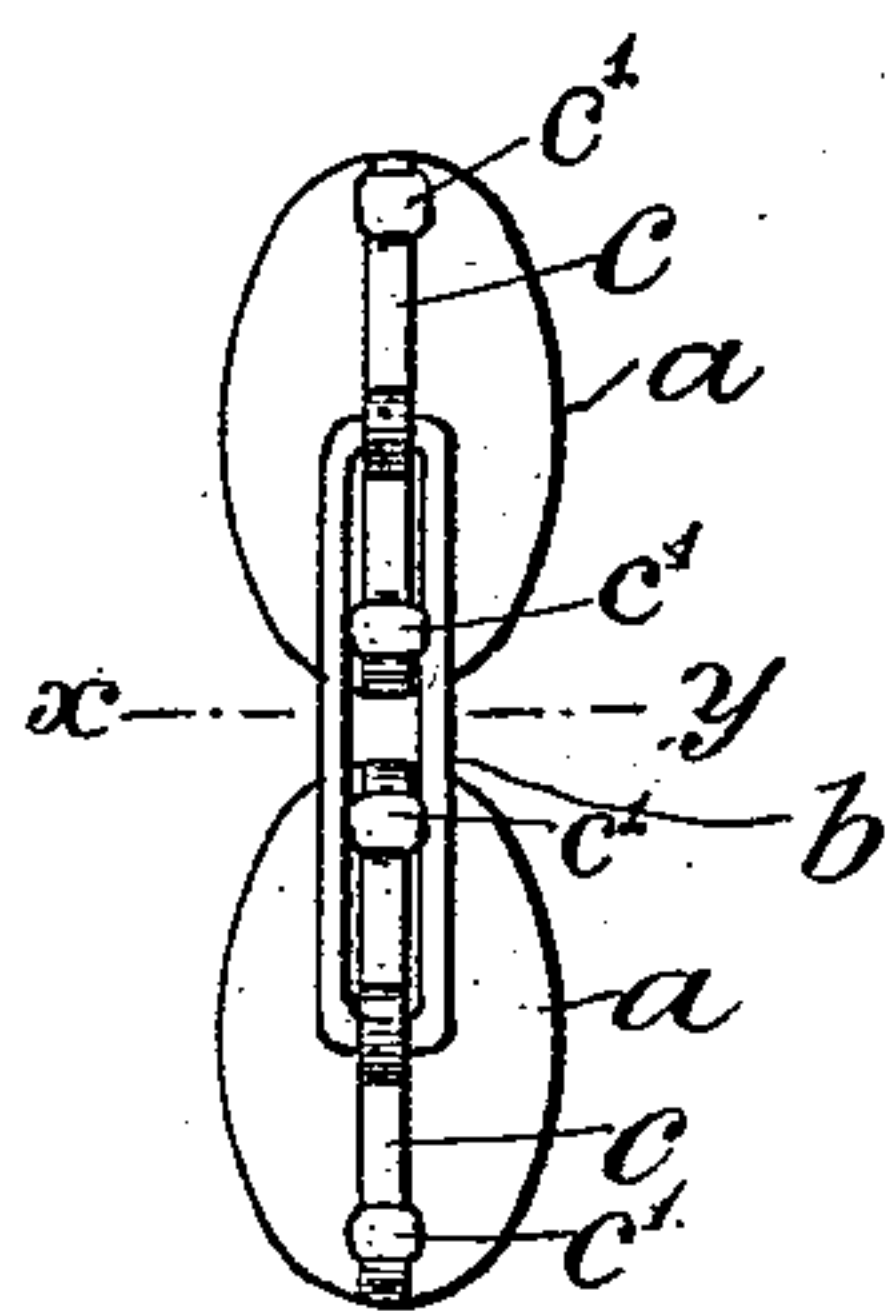


Fig: 2.

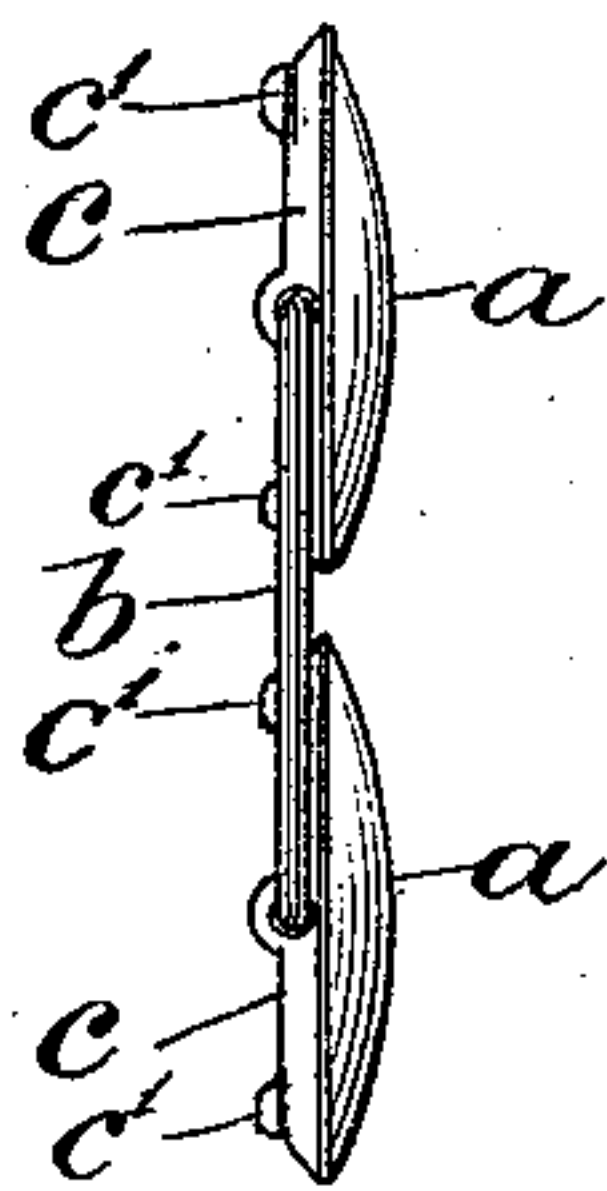


Fig: 1a

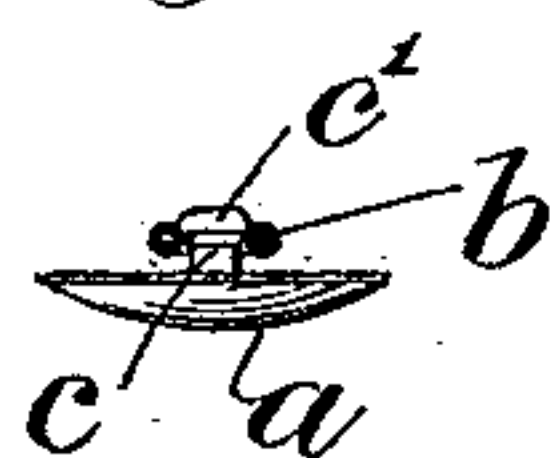


Fig: 5.



Fig: 3.

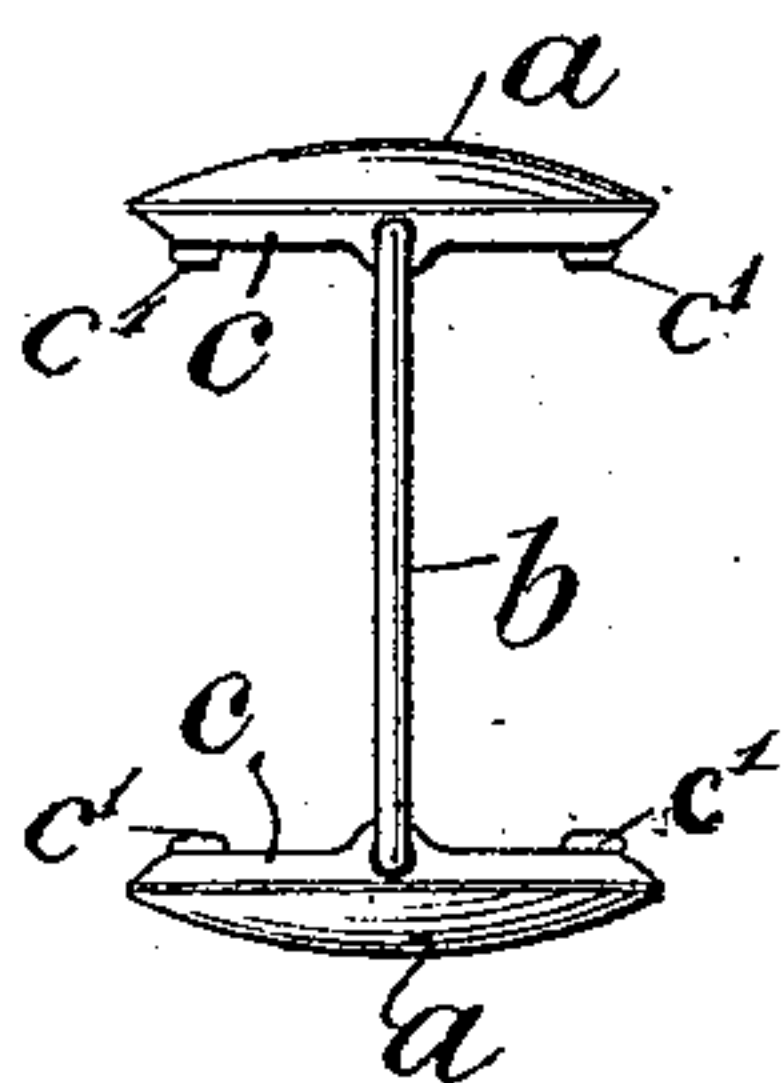
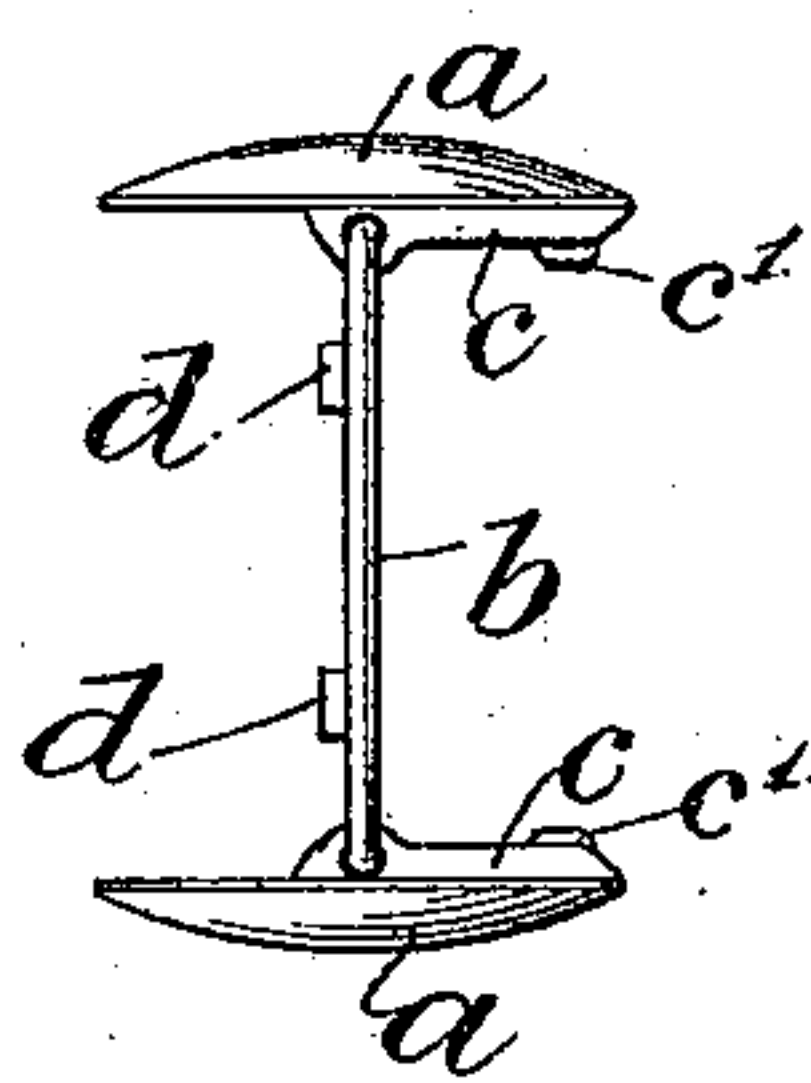


Fig: 4.



Witnesses:-

George Barry.

C. Sundgren

Inventors:-

Arthur Joseph Needham  
Horace Canning Needham  
Walter Cecil Needham  
by attorneys  
F. Brown & Seward

# UNITED STATES PATENT OFFICE.

ARTHUR JOSEPH NEEDHAM, HORACE CANNING NEEDHAM, AND WALTER  
CECIL NEEDHAM, OF LONDON, ENGLAND.

## LINK FOR FASTENING CUFFS, &c.

SPECIFICATION forming part of Letters Patent No. 490,413, dated January 24, 1893.

Application filed January 9, 1892. Serial No. 417,506. (No model.)

*To all whom it may concern:*

Be it known that we, ARTHUR JOSEPH NEEDHAM, HORACE CANNING NEEDHAM, and WALTER CECIL NEEDHAM, all of 6 Hammer-smith Terrace, Hammersmith, London, in the county of Middlesex, England, have invented certain new and useful Improvements in Links for Fastening Cuffs and other Similar Articles, of which the following is a specification.

The object of this invention is to facilitate the insertion, into shirt cuffs, and other articles of wearing apparel, of what are known as sleeve links.—To attain this end, we so construct the buttons on the loop link, constituting together the sleeve link, that by applying pressure to the buttons, they may be brought parallel to the face of the link, and held rigidly in that position, to facilitate their entrance endwise into, and passage through, the button holes of the shirt cuff or other article. When thus inserted endwise into the button holes, the buttons may be made readily to resume their acting position at an angle to the link.

In the accompanying drawings, Figure 1 shows a back view of the sleeve link constructed according to our invention, laid out rigidly, or in the position for insertion into a cuff.—Fig. 1<sup>a</sup>, is a section on the line *x y* of Fig. 1.—Fig. 2 is an edge view, corresponding with Fig. 1 and Fig. 3 is a side view of the sleeve link, in its acting or retaining position.—Fig. 4 is a similar view of a slight modification. Fig. 5 is a similar view of another modification.

Similar letters of reference designate corresponding parts in all the figures.

In the figures, *a a* are the buttons, coupled together by a loop link *b*.—In the example shown in Figs. 1, 2, 3 and 4, the buttons are each furnished, at back, with a rib *c*, which serves the purpose of a shank, being pierced to receive the loop link *b* through it. These ribs have also another object, viz:—to snap into the loop link when pressed into the position shown in Figs. 1 and 2, and thereby

give rigidity to the buttons while being inserted in the cuff.

The loop link is made preferably of round wire, as usual, and the lateral elasticity of the link is made available for retaining the buttons for the time being in a position parallel to the link. To secure the snapping action desired, the face of the loop of the link is made of such width that in its normal condition it will fit easily over the portion of the rib *c* close to the back of the button but the face of the rib is slightly broadened or swelled by burnishing or otherwise to form a snap projection *c'* which, when the button is pressed against the link *b*, will slightly distend the loop laterally, and then pass through it, after which the recoil action or snapping of the loop over the said projection *c'* will cause the link *b* to grip the rib firmly and hold the button against the face of the link substantially parallel therewith.

It will now be understood that on the insertion of the sleeve link into the cuff or other article to which it is to be applied, the buttons may be readily tipped into the position of Fig. 3, to make the attachment complete.

In some cases we propose to form the loop links with projections, as at *d*, Fig. 4, for the purpose, of retaining the buttons in contact with their respective button-holes, and keeping the sleeve link at tension.

It will be obvious that instead of giving the rib at the back of the button a length equal to the length of the button, as shown at Fig. 1 in the drawings, which allows of the button being snapped into the loop link at either side thereof, the rib may extend to one end only of the buttons, as shown at Fig. 4, but we prefer the arrangement shown at Fig. 1, as the snapping of the button into its fixed position is thereby facilitated.—Again, in carrying out our invention, we do not consider it necessary to form both buttons with a snapping rib at the back, as the advantage of our invention may be obtained when one button only is thus furnished as shown in Fig. 5 the other being provided with an ordinary shank.



Having now described our invention, what we claim is:—

5 The combination in a link fastening for cuffs and similar articles, of two buttons having shanks and a looped link connecting said shanks one of said buttons having on its back a rib, a portion of which is swelled to form a snap and the link having its loop of a width to snap over the so swelled portion of said

rib, substantially as and for the purpose here- 10 in set forth.

ARTHUR JOSEPH NEEDHAM.  
HORACE CANNING NEEDHAM.  
WALTER CECIL NEEDHAM.

Witnesses:

H. K. WHITE,  
H. T. C. GOETZ.