L. H. ADAMSON.

CUFF BUTTON OR LINK.

APPLICATION FILED NOV. 21, 1913.

1,101,049. **Patented June 23, 1914.**

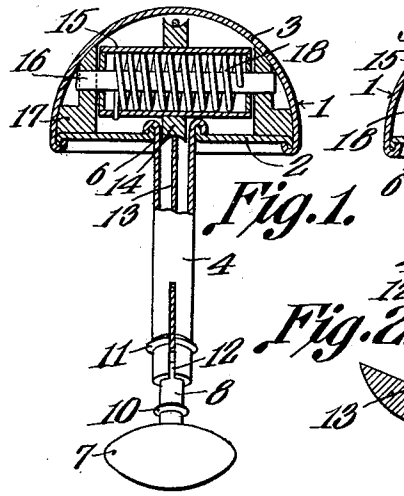


Fig. 1.

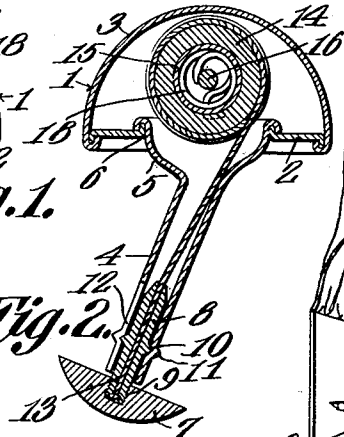


Fig. 2.

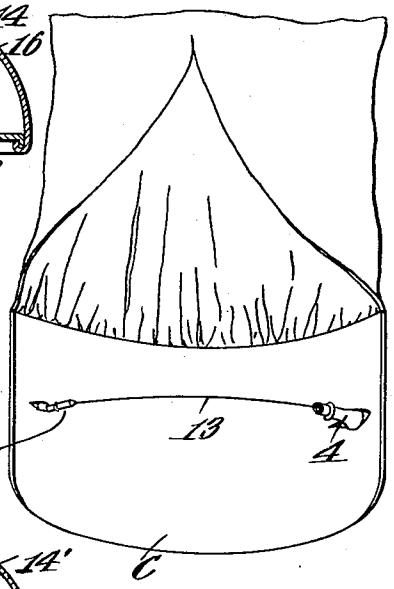


Fig. 3.

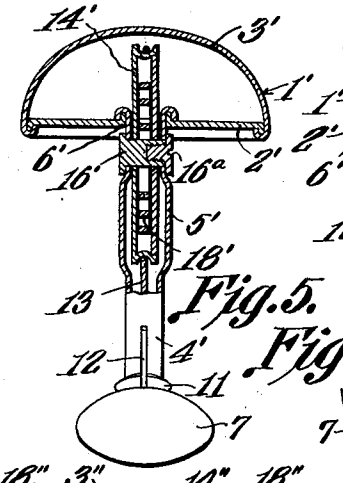


Fig. 5.

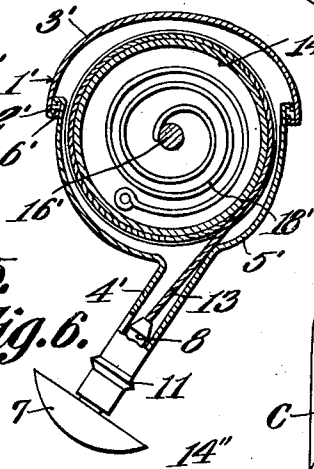


Fig. 6.

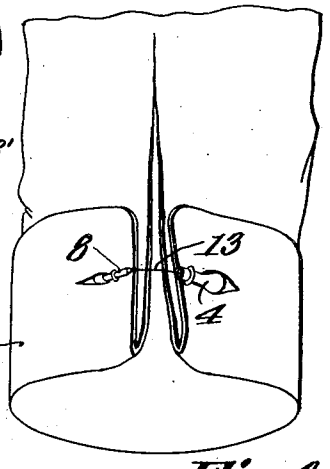


Fig. 4.

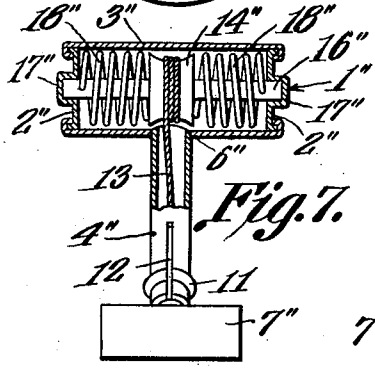


Fig. 7.

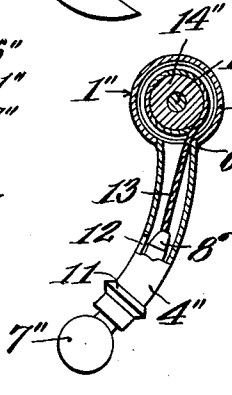


Fig. 8.

Witnesses

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UNITED STATES PATENT OFFICE.

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CUFF BUTTON OR LINK.

1,101,049. Specification of Letters Patent. **Patented June 23, 1914.**

Application filed November 21, 1913. Serial No. 802,291.

To all whom it may concern:

Be it known that I, LEE H. ADAMSON, a citizen of the United States, residing at Rogers, in the county of Benton and State of Arkansas, have invented a new and useful Cuff Button or Link, of which the following is a specification.

The present invention appertains generally to cuff buttons or links, and aims to provide a novel and improved article of that character.

It is the object of the present invention to provide a cuff button or link including a head or button proper, and a knob, which are detachably connected, in connection with a flexible element connecting the head and knob, and normally housed and yieldingly drawn into the head, whereby when the cuff button or link has been applied to a cuff, to attach the ends thereof, by detaching the knob and head, the cuff may be rolled back upon the sleeve, and whereby the head and knob will be drawn together, in order that the cuff will snugly embrace the arm of the wearer to be maintained in position. It is also within the scope of the present invention to provide a cuff button or link of the nature indicated, which shall be comparatively simple, compact and inexpensive in construction, as well as being simple, convenient, practical and efficient in its use, the present device embodying a unique assemblage of the component parts to carry out the results desired in an efficacious manner.

With the foregoing general objects outlined and with other objects in view, which will be apparent as the nature of the invention is better understood, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

The invention has been illustrated in its preferred embodiment in the accompanying drawing, wherein similar parts have been designated by similar reference characters, and wherein:—

Figure 1 is a view of one form of the improved cuff button or link, partly in section and partly in full, the knob being partially withdrawn from the shank of the head. Fig. 2 is a longitudinal central section, the line of view being at right angles to the line of view of Fig. 1, and the knob being attached to the head shank. Fig. 3 is a perspective view of the device applied to a cuff, the cuff being opened. Fig. 4 is a perspective view of the device applied to a cuff, the cuff being turned or rolled back. Fig. 5 is a view similar to Fig. 1, illustrating certain modifications. Fig. 6 is a view similar to Fig. 2, of the embodiment of the invention depicted in Fig. 6. Fig. 7 is a view similar to Figs. 1 and 5, of another variation, and Fig. 8 is a view similar to Figs. 2 and 6, of the variation illustrated in Fig. 7.

In carrying out the present invention, reference being had in detail to Figs. 1 and 2, there is provided a head or button proper 1, which is in the form of a casing, or which is hollow, the same constituting a disk 2, and a hemi-spherical shell 3 having its edge or periphery flanged or beaded over the margin or periphery of the disk 2. It will be apparent that the disk 2 and shell 3 be conveniently pressed from sheet metal, of various qualities, the disk 2 forming the back of the head, while the shell 3 forms the front thereof. Consequently, the disk or back 2 may be composed of baser material, while the shell or facing 3 may be of precious metal, or may be of inferior metal plated or otherwise finished for the purpose of wear and appearance. The shell or casing 3 may also be embellished or ornamented as desired.

The head 1 is provided with a shank 4 adapted to pass through one of the button holes of the cuff, the shank 4 being tubular or hollow, and being flared, as at 5, at one end. The flared end 5 of the shank is engaged through an opening or slot 6 provided in the disk 2, and is flanged or beaded over the edge of the said slot, it being apparent that the shank may be attached to the disk 2, prior to the application of the shell or casing 2 to the said disk. The shank 4 is preferably disposed angularly with respect to the head 1, in order to accommodate the cuff in the most desirable manner.

The knob 7 may be fashioned from any suitable material, and is preferably circular in outline. This knob 7 is provided with a stem 8, one end of the stem being threaded into a recess or socket 9 provided in the inner face of the knob, and the other or free

end of the stem being preferably tapered or pointed. The stem 8 is insertible into the free end of the tubular shank 4 of the head, the stem 8 being provided with an annular rib or ridge 10 intermediate its ends, which is adapted to snap into an annular outer crimp 11 formed upon the shank 4 adjoining its free end, the free end portion of the shank being provided with a longitudinal open slot or slit 12 for permitting the free end portion of the shank to yield as the rib 10 is snapped into and withdrawn from the crimp 11.

A relatively long cord 13, or other flexible element, such as a chain, or wire, is attached to the head and knob, the same having one end portion engaged through a longitudinal bore provided in the knob stem 8, and having its respective extremity knotted between the inner end of the stem 8, and the bottom of the socket 9, to thereby anchor the cord 13 to the knob in an effective and convenient manner. The cord 13 extends through the tubular shank 4, and its other end portion is secured to and wound upon a sheave or spool 14 keyed or secured upon a drum 15, mounted within the head 1. For convenience and compactness, the periphery of the sheave 14 is preferably disposed partially within the flared portion 5 of the shank, the sheave 14 being secured upon the central portion of the drum 15.

In order to mount the drum 15 within the head, the ends thereof are journaled upon a spindle 16, which has its terminals secured or anchored within the bearings or keepers 17 secured to diametrically opposite portions of the disk 2. The spindle 16 is stationary, the ends thereof being secured non-rotatably within the keepers 17, the said keepers being soldered or otherwise secured to the disk 2.

In order to normally wind the cord 13 upon the sheave or spool 14, a coiled wire torsional spring 18 is housed within the drum 15, and has its extremities secured to the spindle and drum, to ordinarily rotate the drum in such a direction, as to wind the cord upon the sheave.

In use, when the knob stem is inserted into or sprung within the shank 4, the device may be employed in the manner of an ordinary cuff button or link, to attach the ends of the cuff C. Should the wearer desire to turn the cuff back, this may be readily accomplished, by pulling the knob and head apart, which will be permitted by the withdrawal of the knob stem 8 from the yielding mouth of the shank 4. After the knob and head have been detached, the ends of the cuff may be spread apart, as depicted in Fig. 3, and the cuff may then be rolled or turned back, as illustrated in Fig. 4, the spring 18 permitting the cord to be unwound when the knob and head are separated, and serving to wind up the cord, when the cuff is free, so as to cause the cuff to snugly embrace the arm or elbow.

In the manner indicated, the cuff may be rolled to any desired point upon the arm in a convenient and facile manner, the cuff being held at any point to which it has been rolled, and being made to snugly embrace the arm, so as to give a neat appearance to the sleeve, even though the cuff and sleeve have been rolled back.

Particular attention is directed to the fact that the spring actuated winding member serves to continually pull the head and knob together, or to pull the stem of the knob toward and into the shank of the head. Thus, the head and knob are not only drawn toward each other, when separated, but the stem of the knob is drawn into the shank of the head, when the ends of the cuff are brought together, whereby the head and knob may be snapped readily into engagement with each other.

In the forms of the invention illustrated in Figs. 5 to 8, inclusive, the structures are somewhat modified, but the modified cuff buttons or links may be employed precisely in the manner above described, the functions of the several cuff buttons or links being the same.

In the modification illustrated in Figs. 5 and 6, the head 1′ comprises the disk 2′ and the shell 3′ engaged thereover, the tubular shank 4′ having the semi-circular enlargement 5′ engaged through the diametrical opening or slot 6′ provided in the disk 2′. The parts 7 to 13, inclusive, are practically the same as above described, and need not be again described in detail. The sheave 14′ of the modification is hollow, the same preferably having one side adapted for removal, and the cord 13 is secured to and wound upon the sheave or spool 14′. The sheave or spool 14′ is journaled or mounted for rotation within the semi-circular enlargement 5′ of the shank, by means of an axle or spindle 16′ engaged through the sides of the semi-circular portion 5′ and having a head at one end and a retaining screw 16ª at its other end. Within the sheave or spool 14′ is disposed a spiral spring 18′ which has its ends anchored or secured to the spindle 16′ and the sheave 14′ respectively, so as to normally wind up the cord 13 upon the sheave. It is evident that the semi-circular portion 5′ of the shank 4′ is adapted to be inserted through the button hole with the shank proper.

In the variation delineated in Figs. 7 and 8, the head 1″ is cylindrical, which is also true of the knob 7″, whereby the cuff button or link will be of the "bar" type. The head 1″ embodies the ends 2″ and the cylindrical shell 3″ having its ends flanged or beaded over the ends 2″. The tubular

shank 4″ is preferably curved or arcuate, having one end engaged through an aperture or opening 6″ formed in the shell 3″ intermediate its ends. The parts 8 to 13, inclusive, are similar to those above described, the cord 13 having one end secured to and normally wound upon the sheave 14″ journaled upon the central portion of a spindle 16″ disposed axially within the head 1″ and having its extremities non-rotatably seated within outstanding sockets 17″ provided in the ends 2″. Coiled wire springs 18″ are disposed between the sheave 14″ and the ends 2″, and have their respective extremities secured to the sheave and spindle, to normally wind the cord 13 upon the sheave.

Particular attention is directed to the fact, that the present cuff button or link need not be detached from the cuff in opening up the cuff, either for the purpose of drawing the hand through the cuff, or for the purpose of rolling the cuff and sleeve upon the arm. This will eliminate the wear of the cuff, and especially the button holes thereof, and will be otherwise of advantage, as above intimated. When the cuff is again turned back to position, after being rolled up, with the sleeve, it will be apparent that the cord 13 in being drawn into the head, will lead the knob stem 8 into the mouth of the shank 4, in order that the knob and head may be pressed together, to snap the rib 10 within the yieldable crimp 11.

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

A cuff button embodying a hollow head having a tubular shank, a knob having a stem insertible into the mouth of the shank, the stem and shank mouth having inter-engageable means, a spring pressed winding member within the head, and a relatively long flexible element attached to the said stem, passing through the shank, and attached to the said winding member to be wound thereon, the winding member serving to continually pull the said stem toward and into the said shank.

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

LEE H. ADAMSON.

Witnesses:
W. B. Felker,
M. M. McLeod.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."