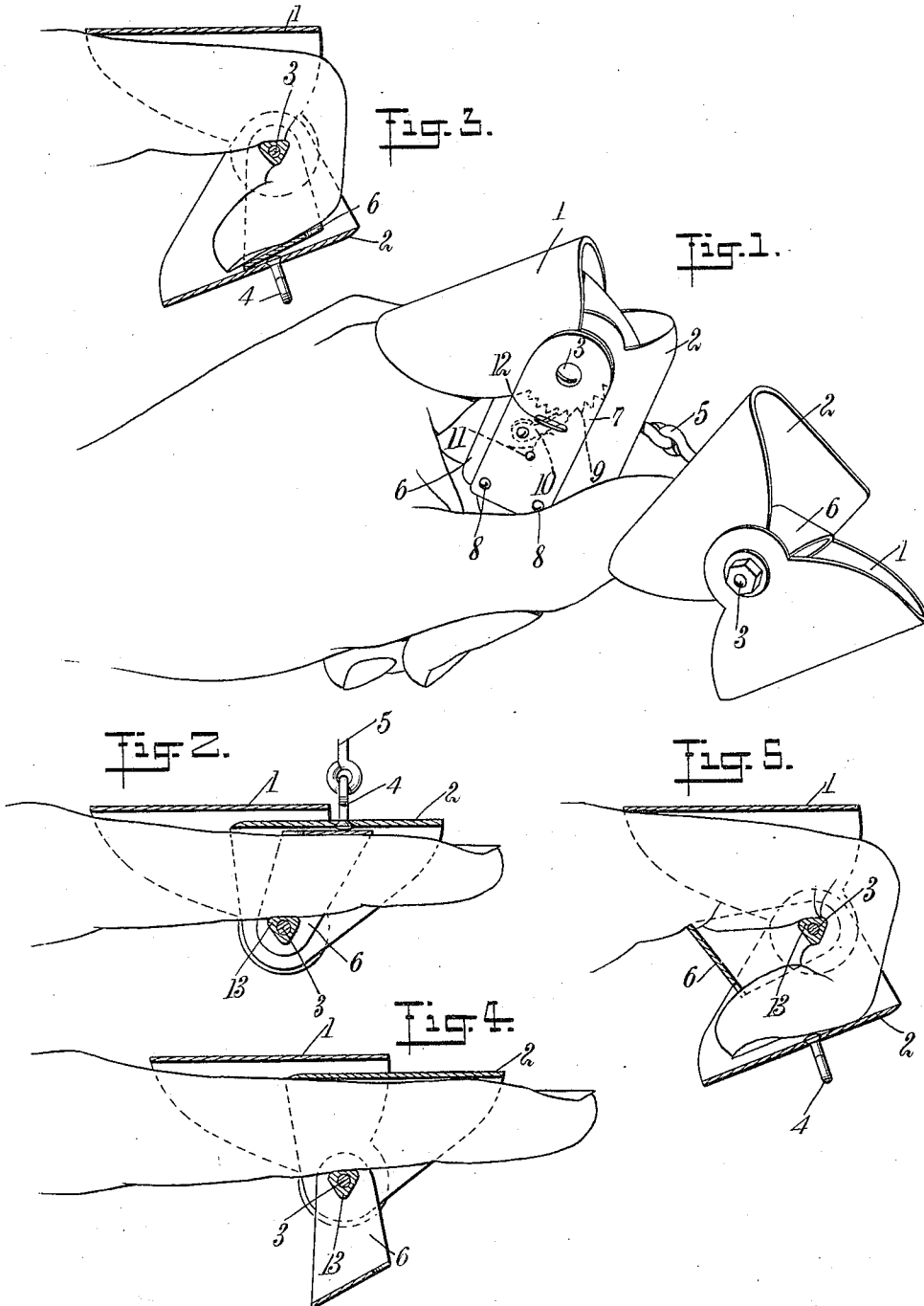


C. C. HEDRICK.
FINGER CUFF.
APPLICATION FILED JAN. 20, 1912.

1,042,344.

Patented Oct. 22, 1912.



WITNESSES

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FINGER-CUFF.

1,042,344.

Specification of Letters Patent.

Patented Oct. 22, 1912.

Application filed January 20, 1912. Serial No. 672,303.

To all whom it may concern:

Be it known that I, CLARENCE CLINTON HEDRICK, a citizen of the United States, and a resident of Kansas City, in the county of Wyandotte and State of Kansas, have invented a new and Improved Finger-Cuff, of which the following is a full, clear, and exact description.

My invention relates generally to finger cuffs and more particularly it comprehends a shackle of new and improved construction which is adapted to be secured on any finger of either hand, the device being especially intended to prevent escape.

The principal object of the invention is to provide a new and improved shackle or finger cuff made up of parts in which the finger is positioned, the parts being movable relatively to each other and being adapted to be held in such removed position whereby movement of the finger or straightening thereof is prevented.

A further object of the invention is to provide a new and improved finger cuff adapted to be positioned on any finger of either hand, the cuff comprehending a pair of devices secured together whereby persons may be shackled together in order to prevent their escape.

Other objects and advantages of the invention will appear as the description thereof proceeds, all of which is particularly pointed out and included in the appended claims.

Reference is to be had to the accompanying drawings forming a part of this specification in which similar characters of reference denote corresponding parts in all the views, and in which—

Figure 1 is a perspective view of the device in operative position on the index finger; Fig. 2 is a vertical sectional view of the device showing the little finger disposed therein previous to bending; Fig. 3 is a similar view showing the position of the finger after the parts of the device have been moved relatively to each other; Fig. 4 is a similar view showing another finger positioned within the device previous to movement of the parts; Fig. 5 is a view showing the parts of Fig. 4 after having been moved.

The device herein shown and described is capable of many modifications as to size and finish as well as the material of which it is made, it being clear that such features or details of construction may be variously

made in a multitude of devices each of which embodies the spirit of my invention without departing from such invention.

As shown particularly in Figs. 2 and 3 the finger cuff comprises two curved elements 1, 2, the side portions of each being in pivotal engagement by means of a suitable pin 3 extending through suitable openings in these side portions. One of the portions 2 is preferably provided with a hook 4 whereby any suitable chain or equivalent device 5 may be secured thereto in order to hold two of the cuffs secured together at a suitable distance. Positioned within the element 2 and pivotally mounted on the pin 3 is a third curved element 6 movable relatively to the element 2 about the pin 3, this third element being adapted to be moved to a variety of positions, one of which is indicated in Fig. 2 of the drawings. One side of the element 2 on the exterior thereof is preferably provided with a suitable plate 7 secured thereto by being attached to one end of the pin 3, the other end of the plate being held in position on this element by suitable means, such as rivets or bolts 8. Referring particularly to Fig. 1 it will be noted that one side portion of the element 1 is provided with a number of serrations 9, preferably arranged on the arc of a circle, while a suitable dog 10 is positioned between the plate 7 and the element 2, the dog being adapted for engagement in any one of the serrations 9, being held in such position, preferably by means of a leaf spring 11. The plate 7 is preferably provided with a slot 12 whereby a suitable key may be entered into engagement with the pawl 10 in order to bring it out of engagement with any one of the serrations 9, such construction being preferable, although it is clear that any suitable form of locking device may be used to retain the parts in the position shown in Fig. 1. When the elements 1 and 2 are brought into the position shown in Fig. 2 and the third element 6 is included wholly within the element 2, as shown, a finger of small size may be inserted into the elements, after which the element 2 and also the element 6 may be turned about the pin 3 into the position shown in Fig. 3, locking of the parts in such position preventing withdrawal of the finger therefrom, the finger being held in a bent position. In order to provide a convenient bearing for the finger and to prevent cutting thereof, the pin

3 is preferably provided with an extended bearing surface through the medium of a member 13 positioned on the pin, adapted for engagement with the finger, as shown particularly in Fig. 3.

Referring particularly to Figs. 4 and 5 wherein the parts of the device are in such position that any finger of either hand, which is relatively larger than the finger before mentioned may be inserted, it will be noted that the third element 6 is in position exterior of the element 2 so that, when the elements 1 and 2 are moved relatively to each other into the position shown in Fig. 5, the third element 6 will be engaged at each end thereof by different portions of the bent finger. From what has been said it will appear that the third element 6 may be used in different positions, the purpose of the element in any position being to properly aid in securing the finger within the cuff; in the position shown in Figs. 1 to 3 inclusive the third element, by being entered into the element 2, provides for the use of the device on small fingers; in the position shown in Figs. 4 and 5, it prevents undue movement of the elements 1 and 2 when in locked position, thereby avoiding injury to the finger since it prevents further articulation thereof, such position also preventing movement of the finger in order that it may be freed from the cuff. Thus the device is of such size that it may be used on fingers differing in size, thereby making it available for wide use. In order to return the parts to normal position, thereby permitting the finger to be withdrawn, a suitable key may be inserted in the slot 12 whereby the dog 10 may be brought out of engagement with the serrations 9, after which the element 2 may be turned about the pin 3, the finger being easily withdrawn when the parts come into the position shown in Figs. 2 and 4.

It is obvious that in place of the particular locking means which I have shown, various other devices may be employed, the object of any of which is to prevent relative movement of the parts of the device, in order to prevent withdrawal of the finger therefrom, thereby preventing the escape of persons whose hands are shackled or persons who are shackled together.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent:—

1. A device of the class described, comprising a plurality of curved elements in pivotal relation with each other, the said elements being adapted to be positioned one within the other or one without the other, together with means for holding the elements secured against relative movement in such last mentioned position.

2. A device of the class described comprising a plurality of curved elements in

pivotal engagement with each other, one of the elements being adapted to enter into the other whereby a finger may be inserted into each of the elements, the second element being adapted to be moved relatively to the first whereby the finger is bent, together with means for holding the elements in fixed position with respect to each other.

3. A device of the class described comprising a plurality of curved elements, pivotal engaging means between the elements, one of the elements being adapted to enter within the other whereby a finger in straight position may be inserted into both of them, one of the elements being adapted to be moved relatively to the other about the said supporting means whereby the finger within the elements is bent, there being cooperating parts carried by the elements whereby they are held fixed in position.

4. A device of the class described, comprising two curved elements, a third curved element, a common pivotal mounting for the said elements, the third element being adapted to be entirely positioned within one of the first elements, and being also adapted to be positioned outside of both of the said two elements whereby the said two first elements are adapted to engage and hold therein fingers of different sizes.

5. A device of the class described comprising a plurality of curved elements in pivotal engagement with each other, one of the said elements being adapted to enter within the other whereby a finger in straight position may be inserted into both the elements, a third element also in pivotal engagement with the first two and adapted to be moved into or out of one of the first said elements whereby the first elements are adapted to receive and hold fingers of different sizes, there being suitable means for holding the first two elements fixed in position with respect to each other.

6. A device of the class described comprising two curved elements, each element comprising downturned sides, a pin extending through the said downturned sides whereby the elements are pivotally mounted with respect to each other, one of the elements being adapted to enter the other whereby a finger in unbent condition may be inserted therein, a third element pivotally mounted on the said pin and adapted to be entered into or moved out of one of the first elements whereby the said elements are adapted to receive and hold fingers of different sizes, there being cooperating parts carried by the first two elements for engagement with each other whereby movement of these elements and straightening of a finger held therein is prevented.

7. A device of the class described comprising a plurality of curved elements in

pivotal engagement with each other, one of the elements being adapted to be entered into the other, the said elements in such position being adapted to receive a finger in un-
5 unbent condition, the said elements being movable with respect to each other, the finger being thereby brought to bent position.

8. A device of the class described comprising three curved elements in pivotal relation,
10 one of the elements being adapted to be entered within the second of the elements, and the second element with the first one therein being adapted to be entered into the third element, whereby a finger in unbent
15 condition may be inserted therein, the first and second elements being movable in order to bring the finger to bent condition.

9. A device of the class described comprising three curved elements in pivotal relation,
20 one of the elements being adapted to be entered into the second element, the second element with the first element therein being adapted to be entered into the third element, the elements being in position to
25 receive a finger in unbent condition, the first and second elements being movable together in order to bring the finger to bent condition, together with means for securing the parts with the finger in such bent condition.

30 10. A device of the class described comprising a plurality of curved elements in pivotal relation on a common pivotal mounting, one of the elements being adapted to be entered into another, the third element
35 being exterior of the other two, the first and

second elements being adapted to receive a finger in unbent condition, the said elements being then movable relatively to each other to bring the finger to bent condition and into engagement with the said third element. 40

11. A device of the class described comprising a plurality of curved elements in pivotal relation on a common pivotal mounting, two of the elements being adapted to be
45 so positioned that they may receive a finger in unbent condition, the two elements being then movable to different relative positions in order to bring the finger to bent condition and into engagement with opposite portions
50 of the third element, together with means for holding all of the elements in position with the finger bent.

12. A device of the class described comprising a plurality of curved elements, a pivotal engaging means common to all the
55 elements, a bearing member carried by the said means, the said elements in one position being adapted to receive a finger in unbent condition, the said elements being movable to another position in order to bring
60 the finger to bent position, the finger being bent around the said bearing member.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CLARENCE CLINTON HEDRICK.

Witnesses:

FRED W. TAYLOR,
ADOLPH KOBELT.