

J. FORSHEIM & J. KONIGSBERG.
 DEVICE FOR ATTACHING HANDLES TO UMBRELLA OR OTHER RODS.
 APPLICATION FILED OCT. 4, 1911.

1,062,903.

Patented May 27, 1913.

Fig. 1.

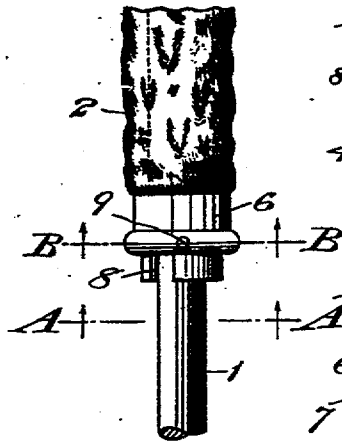


Fig. 3.



Fig. 2.

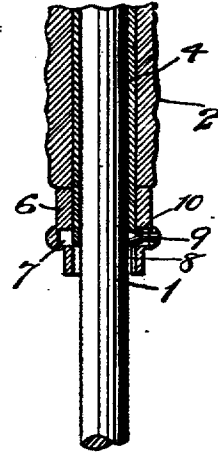


Fig. 4.

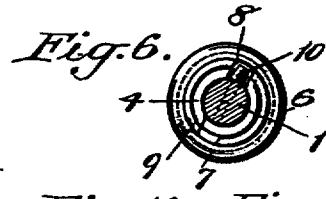
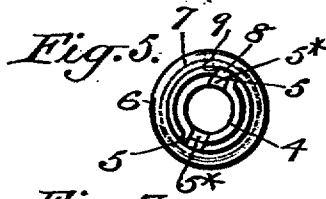


Fig. 7.

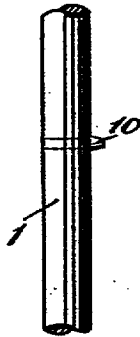


Fig. 8.

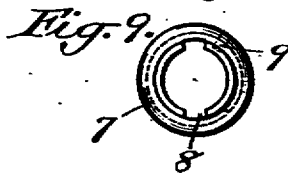
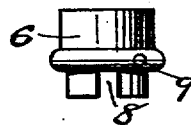
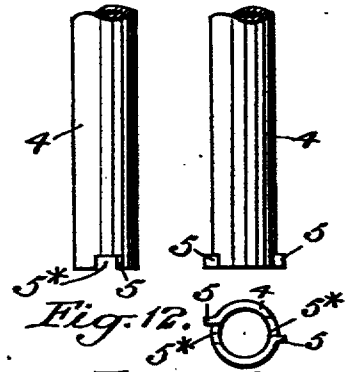


Fig. 10. Fig. 11.



Witnesses:-

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UNITED STATES PATENT OFFICE.

JOSEPH FORSHEIM, OF GREAT NECK, AND JOSEPH KONIGSBERG, OF NEW YORK, N. Y.

DEVICE FOR ATTACHING HANDLES TO UMBRELLA OR OTHER RODS.

1,062,903.

Specification of Letters Patent.

Patented May 27, 1913.

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To all whom it may concern:

Be it known that we, JOSEPH FORSHEIM and JOSEPH KONIGSBERG, citizens of the United States, and residents, respectively, of Great Neck, in the county of Nassau and State of New York, and of the borough of Manhattan, in the city and State of New York, have invented a new and useful Improvement in Devices for Attaching Handles to Umbrella or other Rods, of which the following is a specification.

The object of this invention is to provide novel means for attaching umbrella or other rods to their handles.

A further object is to provide means whereby the rods may be very readily attached to and removed from socket pieces permanently secured within the handles.

A practical embodiment of the invention is represented in the accompanying drawings in which,

Figure 1 represents in side elevation portions of a handle and umbrella or other rod in their assembled position. Fig. 2 is a longitudinal central section through the same. Fig. 3 is a horizontal section taken in the plane of the line A—A of Fig. 1. Fig. 4 is a horizontal section taken in the plane of the line B—B of Fig. 1. Fig. 5 is an end view of the socket piece and rotatable sleeve, the umbrella or other rod being removed. Fig. 6 is a cross section similar to Fig. 3, with the parts in a different position. Fig. 7 is a detail side view of the umbrella or other rod. Figs. 8 and 9 are side and end views of the rotatable sleeve, and Figs. 10, 11 and 12 are detail side and end views of the socket piece.

The device comprises a rod which may be the rod of an umbrella, parasol, cane or any other article or which may be a rod arranged to be permanently secured within the umbrella, parasol or other rod, a socket piece arranged to be permanently secured within the handle in connection with which the device is to be used, and a rotary sleeve arranged to removably secure said rod within the socket piece. The rod is denoted by 1, the handle by 2, the socket piece by 4 and the rotary sleeve by 6. The socket piece is arranged to be permanently secured within the handle 2. The outer end of this socket piece is provided with one or more ears, in the present instance, two ears 5, arranged diametrically opposite each other and struck

outwardly from the walls of the socket piece, to form recesses 5* back of the same.

The rotary sleeve has an interior annular groove 7 and one or more recesses 8 communicating therewith. In the present instance, two of these recesses 8 are shown cut through the outer end of the sleeve at points diametrically opposite each other. This rotatable sleeve 6 is secured to the outer end of the socket piece 4. These two parts are assembled before the socket piece is inserted into the handle, by inserting the socket piece through the sleeve and passing its ears 5 inwardly through the recesses 8 into the interior annular groove 7. A pin or other abutment 9 carried by the sleeve, projects into the annular groove 7 and serves to limit the rotary movement of said sleeve by engaging the ears 5 on the socket piece.

The rod 1 is provided with one or more lugs 10. In the present instance one of these lugs is shown. When the rod is to be secured to the handle, the rod is inserted into the socket piece, its lug 10 passing through one of the recesses 8 into one of the recesses 5* and into the annular groove 7 in the sleeve, the recesses 8 and 5* being held in alinement by the engagement of one of the ears 5 with the abutment 9. A rotary movement of the sleeve until the other ear 5 engages the abutment 9, will then lock the rod to the sleeve and thereby to the handle through the socket piece 4. To release the rod from the handle, the sleeve is rotated into position to bring the lug 10 on the rod opposite the recess 8, when the rod may be removed.

It is evident that various changes might be resorted to in the construction, form and arrangement of the various parts without departing from the spirit and scope of our invention; hence we do not wish to limit ourselves strictly to the structure herein shown and described, but

What we claim is:

1. A handle provided with a socket piece, a rod insertible therein and a sleeve secured to and having a limited rotary movement on the socket piece for locking and releasing the rod, said sleeve having an interior annular groove and a recess communicating therewith, said socket piece having an ear and said rod having a lug adapted to enter and leave the groove through said recess for assembling and disassembling the parts.

2. A handle provided with a socket piece, a rod insertible therein, and a sleeve secured to and having a limited rotary movement on the socket piece for locking and releasing the rod, said sleeve having an interior annular groove and a recess communicating therewith and said socket piece having an ear located in said groove and an abutment in said groove for limiting the movement of the sleeve by engagement with said ear.

3. A handle provided with a socket piece, a rod insertible therein and a sleeve secured to and having a limited rotary movement on the socket piece for locking and releasing the rod, said sleeve having an interior annular groove and a recess communicating therewith, said socket piece having an ear struck outwardly from its inner end, and forming a recess, said ear being located within said annular groove, and said rod having a lug adapted to enter and leave the groove through the recess in the sleeve, said lug being located in the slot in the socket piece when in said groove.

4. A handle provided with a socket piece, a rod insertible therein and a sleeve secured

to and having a limited rotary movement on the socket piece for locking and releasing the rod, said sleeve having an interior annular groove and a recess communicating therewith, said socket piece having an ear struck outwardly from its inner end and forming a recess, said ear being located within said annular groove, and said rod having a lug adapted to enter and leave the groove through the recess in the sleeve, said lug being located in the slot in the socket piece when in said groove, and an abutment on the sleeve arranged to be engaged by said ear for bringing the recesses in the sleeve and socket piece in alignment to permit the insertion and removal of the rod.

In testimony, that we claim the foregoing as our invention, we have signed our names in presence of two witnesses, this twenty-sixth day of September 1911.

JOSEPH FORSHEIM
JOSEPH KONIGSBERG.

Witnesses:

F. GEORGE BARRY,
HENRY C. THIEME.

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