M. L. MARX.

HANDLE FOR CANES OR UMBRELLAS.

APPLICATION FILED DEC. 4, 1912.

1,066,433.

Patented July 1, 1913.

Fig. 1.

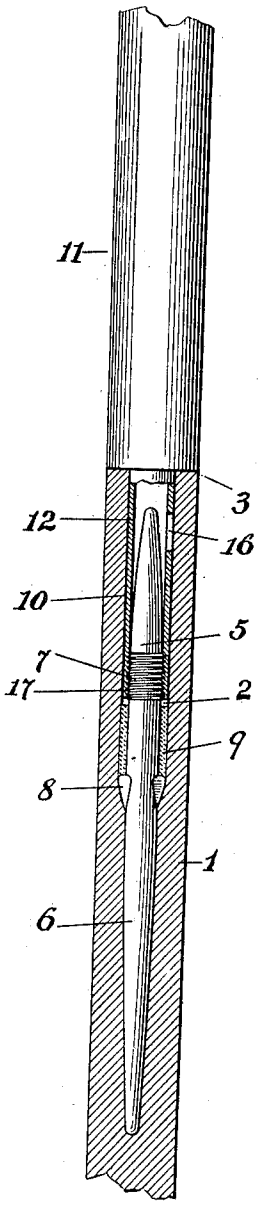


Fig. 2.

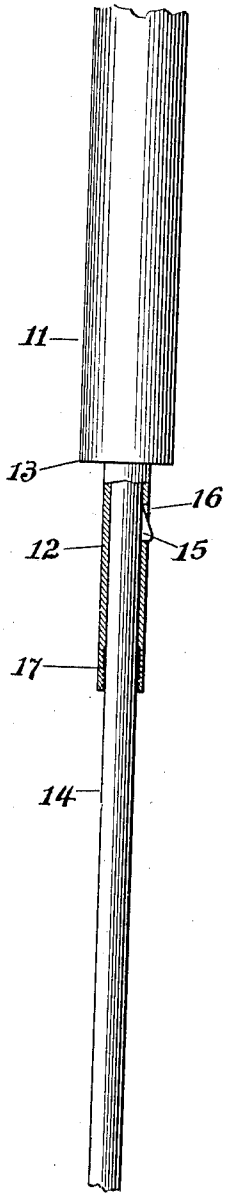


Fig. 3.

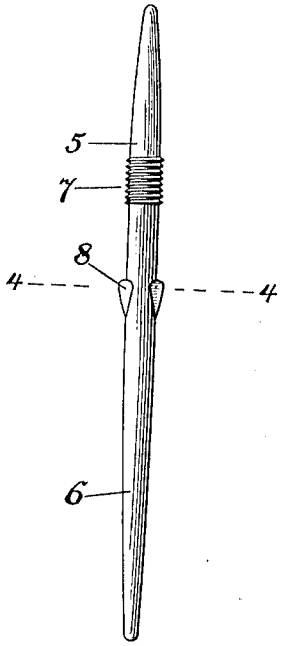
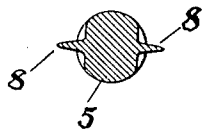


Fig. 4.



Witnesses

Edwin L. Bradford

G. Ferd. Voigt.

Inventor

Monroe L. Marx

By Mann & Co.

Attorneys

UNITED STATES PATENT OFFICE.

MONROE L. MARX, OF SAN FRANCISCO, CALIFORNIA, ASSIGNOR OF ONE-HALF TO MILTON L. HANLINE, OF BALTIMORE, MARYLAND.

HANDLE FOR CANES OR UMBRELLAS.

1,066,433. Specification of Letters Patent. Patented July 1, 1913.

Application filed December 4, 1912. Serial No. 734,851.

To all whom it may concern:

Be it known that I, MONROE L. MARX, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Handles for Canes or Umbrellas, of which the following is a specification.

This invention relates to an improved handle that is interchangeable for either a cane or umbrella.

The object of the invention is to provide an improved construction of cane and handle therefor, and to so construct the handle and its parts that it may be readily detached from the cane proper and engaged with an umbrella stick or rod.

The invention is illustrated in the accompanying drawing wherein,

Figure 1, illustrates a wood cane-body in longitudinal section and also shows the interchangeable handle attached thereto. Fig. 2, illustrates an umbrella metal rod with the same handle detachably connected to its end. Fig. 3, shows a detail of the coupling pin employed in the cane body, and Fig. 4, illustrates an enlarged cross-sectional detail of the coupling pin on the line 4—4.

Referring to the drawing the numeral, 1, designates the upper portion of the cane-body which should be made of wood and provided with a central longitudinal bore or cavity, 2, which extends downwardly from the upper edge, 3, of the body. A metal coupling pin, 5, is secured within the cavity, 2, and by reference to Fig. 3, of the drawing it will be seen that said pin has a tapered lower end, 6, a tapered upper end and an exterior threaded portion, 7, on its largest circumference below its upper end. Between the lower end and the threaded portion, 7, the pin is preferably provided with longitudinally extended beads, wings or fins, 8, which project from the otherwise smooth circumference thereof, for a purpose which will presently be explained.

The lower tapered end, 6, of the pin is driven or otherwise inserted in the cavity, 2, of the body of the cane, so that the upper tapered end will have central position in the longitudinal cavity, 2, and the beads, fins or wings, 8, by entering or cutting a way into the material of the cane body will prevent rotation of the pin in said cavity. In the present instance the fins or wings, 8, are thin and tapering; the broadest end of the said fins being at the top and aiding to prevent the pin from withdrawal; a filling of cement or other hardening material, 9, is placed in the bore or cavity around the pin at a point between the threaded portion, 7, and the said fins or wings, 8, so as to secure the pin against direct vertical withdrawal from the cavity. The cement may be omitted.

By referring to Fig. 1, of the drawing it will be noted that the upper tapered end of the pin, 5, and also the threaded portion, 7, on said pin, are of such smaller diameter relative to the cavity, 2, in the cane as to leave an annular space between the pin and the wall, 10, of the said cavity. The purpose of this annular space will presently be explained.

A readily detachable handle, 11, may have any exterior form, shape or design desired, it may be straight or may have a crook, but in any case the handle is provided with a central depending tubular sleeve, 12, which projects below the lower end, 13, of the handle. This sleeve, in some respects, is not a new feature broadly considered having been used in connection with umbrella metal rods, wherein the rod, 14, is inserted in the lower open end of the sleeve, and the rod has a spring catch, 15, to spring outwardly and project through a vertical slot, 16, in the sleeve to lock the handle and umbrella rod together as in Fig. 2. To the extent stated the sleeve is without novelty, but it will be noted that at its lower end said sleeve has an interior screw thread, 17, through which the umbrella rod, 14, passes freely, and without engagement. It will also be noted that when the interchangeable handle is attached to an umbrella rod the sleeve, 12, will always be in view when the umbrella is raised and in use. When the handle is attached to a cane however the sleeve, 12, enters the cavity, 2, and is concealed thereby from view. In this position the sleeve fits in the annular space between the coupling pin, 5, and the wall, 10, of the cavity, 2, and the interior screw-thread, 17, engages the thread, 7, on the coupling pin, as shown in Fig. 1. It will thus be seen the sleeve, 12, of the handle has two engaging means, to-wit, first the slot, 16, that serves for the catch, 15, when the handle is attached to an umbrella stick, and second

the interior screw-thread, 17, that serves for the thread, 7, when the handle is attached to a cane.

Having thus described my invention what I claim and desire to secure by Letters Patent is:—

The combination of a wood cane-body having within its upper end a longitudinal bore or cavity; a coupling pin within the bore or cavity said pin having a tapered upper end below which the pin has a larger diameter that is provided with a screw-thread, said upper end of the pin and the screw-threaded portion being of a smaller diameter than the bore or cavity in the cane-body whereby to form an annular space in the said bore or cavity; and a handle whose lower end abuts with the upper end of the cane-body and having a round tubular sleeve projecting down from said lower end and fitting into the said annular space of the cane-body and the lower end of said sleeve provided with an interior screw-thread that engages with the screw-thread on the coupling pin.

In testimony whereof I affix my signature in presence of two witnesses.

MONROE L. MARX.

Witnesses:
LEO ALOYSIUS GONZALEZ,
E. PINNER.

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