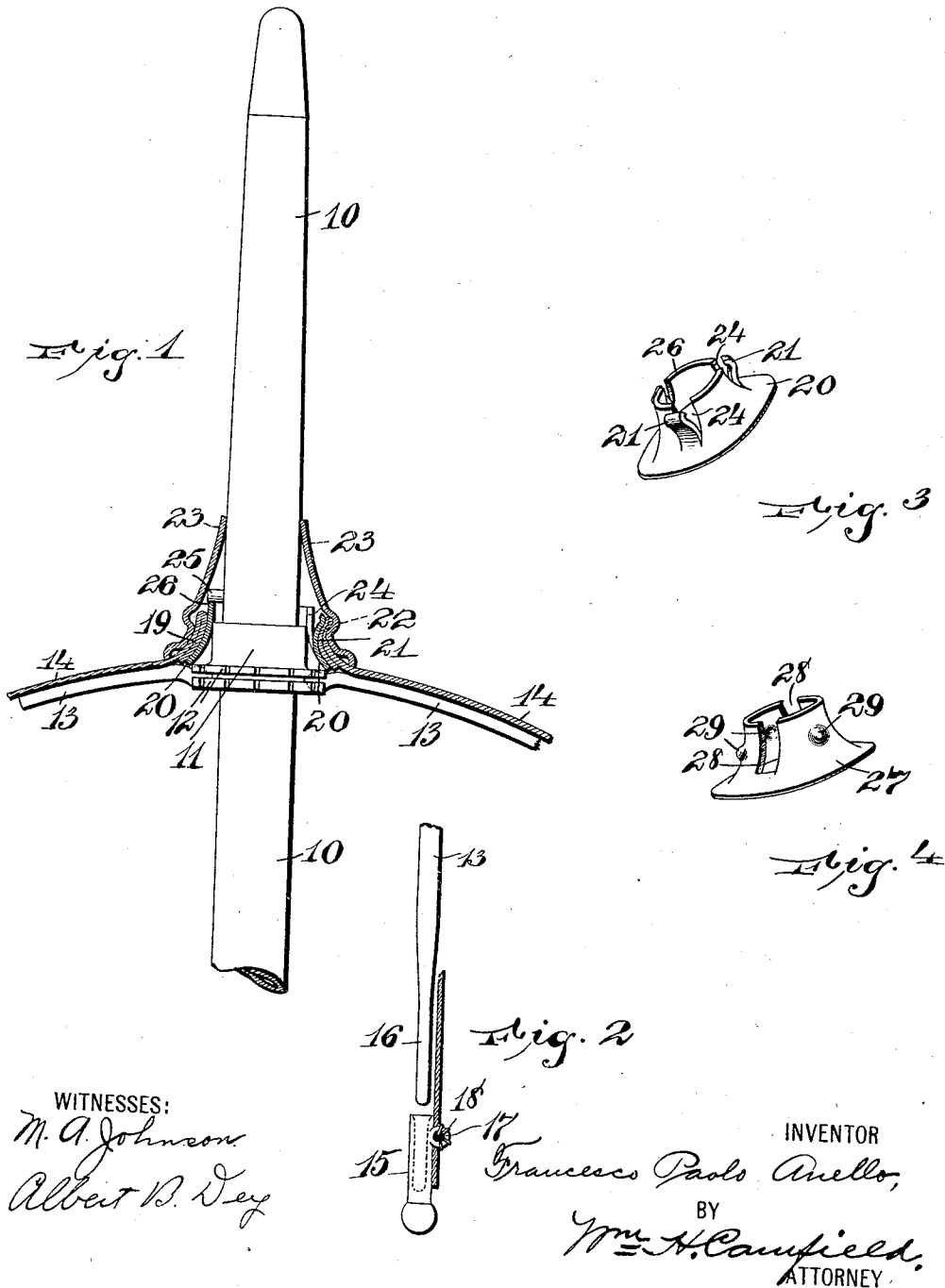


1,055,694.

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UMBRELLA.

APPLICATION FILED SEPT. 18, 1912.

Patented Mar. 11, 1913.



WITNESSES:
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Fig. 2
Fig. 3
Fig. 4
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UNITED STATES PATENT OFFICE.

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UMBRELLA.

1,055,694.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FRANCESCO PAOLO ANELLO, a subject of the King of Italy, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Umbrellas; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to figures of reference marked thereon, which form a part of this specification.

This invention relates to an improved umbrella which has a removable cover so that the cover can be taken off without the use of tools and can also be easily attached. Umbrellas of this type have been made, but my improvement relates to the attachment means and also the construction of the cover where it fits around the stick.

The improvement relates particularly to the kind of umbrella, and when I refer to umbrella I mean also parasols and the like, which is described and shown in my Patent No. 1,021,291, dated March 26, 1912.

The invention is illustrated in the accompanying drawing, in which—

Figure 1 is a section of the central part of the cover and an elevation of the upper part of the stick. Fig. 2 is a view showing a method of fastening the edges of the cover to the ribs. Fig. 3 is a perspective view of a sleeve used in my invention, and Fig. 4 is a perspective view of a sleeve of modified form.

The umbrella stick 10 is of any usual form, having the hub 11 with the flange 12 to which the ribs 13 are hinged. The cover 14 is secured at its edges in any manner, the preferred way being to provide recessed tips 15 to the cover, the tips having their recesses slid over the ends 16 of the ribs 13, the tips having eyes 17 which provide means for securing the stitches 18, which stitches fasten the tips to the cover 14. The cover is provided at its center with a hole, the edges of which are reinforced at 19 by making the goods of double thickness, by folding it back or adding a layer, as will be seen from Fig. 1. Within the hole and projecting from the top is a sleeve 20 which flares at the bottom to form a support for the cover at its center, the sleeve having strips 21 bent

out therefrom and forced, with the goods of the cover, into an annular recess 22 of a thimble 23, the thimble and sleeve thus clamping the center of the cover between them, whereby they are permanently attached to the cover. The strips 21, when bent out, leave the slots 24 in the upwardly inclining sides of the sleeve 20 and any one of these slots permits the sleeve to slide down the stick over the stud 25 of the stick. When the thimble and sleeve are turned after the sleeve is pushed down over the stud 25, this stud rests on the top edge 26 of the sleeve and holds the sleeve down with the cover against the flange 12 of the hub 11. The cover, when its center is in place, as above described, is fastened on its edges as previously described, by the devices shown in Fig. 2. The thimble 23 extends upwardly and inwardly at an angle that permits it to clear the stud 25 and allow room for its being seated on the top edge 26 of the sleeve and at the same time engages the stick 10 with enough friction to make a tight joint to prevent water entering. This separation of the sleeve and thimble at their top edges is necessary, and it will be understood that the strips 21 are bent outward into the recess or bead 22 after the sleeve, the cover and the thimble are assembled.

An alternative structure of the sleeve is shown in Fig. 4, in which is shown a sleeve 27 with slots 28 in its sides, the slots acting to permit the sliding of the sleeve over the stud 25 and being independent of the knobs 29 which are punched in the sleeve after the assembling of the sleeve, cover and thimble, the knobs 29 extending into the bead 22 and thus clamping the cover to the thimble and the sleeve.

This structure makes a small, neat fastening for the center of detachable umbrella covers, and necessitates the handling of no separated or independent fasteners, as all the elements, the sleeve, the cover and the thimble make up an eyelet structure, permanently fastened to the cover and always in shape for attaching the cover to the stick. The parts are usually so proportioned that the sleeve engages the hub 11 and in turn is engaged by the stud 25 so as to prevent rattling or any play. The bottom of the sleeve and thimble are about even so that the thimble at its bottom edge holds the cover close down to the ribs.

Having thus described my invention, what I claim is:—

1. The combination of an umbrella stick having a fixed stud thereon, with a cover having a hole in its center, a flaring sleeve projecting up through the hole, and a thimble inclosing the sleeve and the center of the cover, the top of the sleeve extending above and being separated from the thimble, the sleeve being forced outwardly at intervals to clasp the cover between the sleeve and the thimble, the sleeve having slots therein to permit the sleeve to go over the stud, the stud being covered by the thimble and engaging the top edge of the sleeve to lock it in place.

2. The combination of an umbrella stick having a stud thereon, with a cover having a hole in its center, a flaring sleeve projecting up through the hole, a thimble inclosing the sleeve and the center of the cover, the top of the sleeve being separated from the thimble, the sleeve having a recessed portion, and strips bent outward from the sleeve

to form slots in the sleeve for the passage of the stud, the strips clamping the cover in the recessed portion of the thimble, the top edge of the thimble engaging the stick.

3. An eyelet construction for the center of detachable umbrella covers comprising a flaring sleeve to extend upward through the cover, a thimble resting on the cover and the sleeve, the thimble extending above the top of the sleeve and having its top edge adapted to fit the stick of an umbrella, the thimble having a recess, and outwardly extending portions on the sleeve bearing on the cover and entering the recess of the thimble to bind the thimble, sleeve and cover together.

In testimony, that I claim the foregoing, I have hereunto set my hand this 14th day of September, 1912.

FRANCESCO PAOLO ANELLO.

Witnesses:

WM. H. CAMFIELD,
M. A. JOHNSON.

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