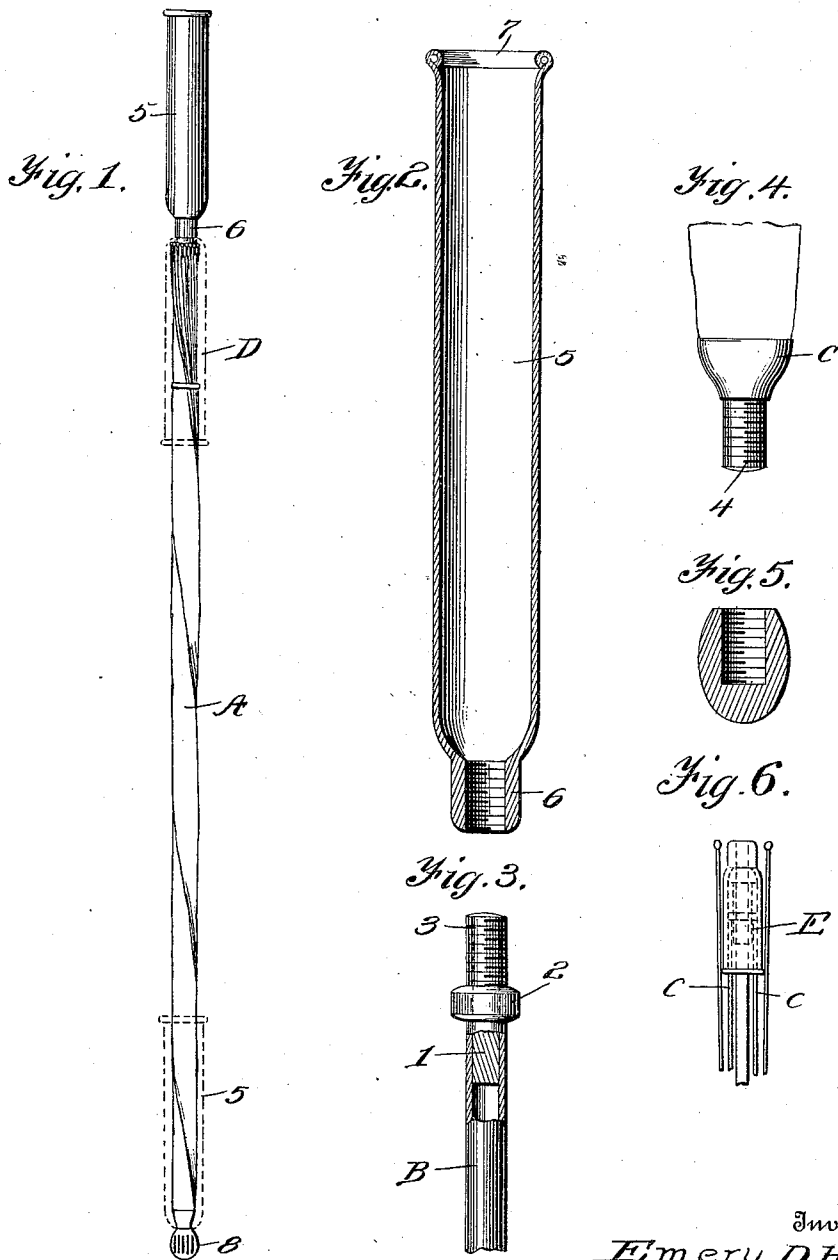


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DETACHABLE UMBRELLA HANDLE.  
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1,007,572.

Patented Oct. 31, 1911.



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# UNITED STATES PATENT OFFICE.

EMERY D. HOWE, OF CAPE GIRARDEAU, MISSOURI.

DETACHABLE UMBRELLA-HANDLE.

1,007,572.

Specification of Letters Patent.

Patented Oct. 31, 1911.

Application filed November 30, 1909. Serial No. 530,612.

*To all whom it may concern:*

Be it known that I, EMERY D. HOWE, a citizen of the United States, residing at Cape Girardeau, in the county of Cape Girardeau and State of Missouri, have invented new and useful Improvements in Detachable Umbrella-Handles, of which the following is a specification.

This invention relates to detachable umbrella handles, and has for an object to provide a handle that can be conveniently applied to the outer end of the stick, the said handle being of such construction whereby when it is not desired to use the umbrella it can be inverted to surround the inner folded portions of the canopy, or if desired the said handle can be engaged with the stick at the tip end thereof.

A further object of the invention is to provide a detachable umbrella handle which when in its inverted position will materially reduce the size of the umbrella to enable it to be conveniently stored in a suit case or the like.

The above mentioned and other objects are attained by the construction, combination and arrangement of parts, as disclosed on the drawing, set forth in this specification, and particularly pointed out in the appended claim.

In the drawing, forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views:—Figure 1 is an elevation of an umbrella showing my improved detachable handle in its applied position. Fig. 2 is a detail vertical section through the handle. Fig. 3 is a sectional elevation of the upper portion of the stick. Fig. 4 is a detail elevation of the lower portion of the umbrella. Fig. 5 is a detail vertical section through the ferrule. Fig. 6 is a fragmentary elevation of a portion of the umbrella showing a slightly modified use of the handle.

With particular reference to the drawing it will be seen that the canopy A of the umbrella is of the usual character or type, it being provided with a stick B which is provided at one end with a plug 1 upon which is formed a shoulder 2, the said shoulder having formed integrally therewith a threaded stem 3. The lower end of the stick is extended beyond the cap C of the umbrella and is headed as shown at 4. The handle 5 as shown is of hollow form, it be-

ing preferably constructed from metal and provided at one end with a reduced interiorly threaded sleeve 6, the opposite end of the handle being open and is rolled to form an annular bead 7. As shown in full lines in Fig. 1, the sleeve 6 of the handle 5 is engaged with the stem 3 of the stick of the umbrella. The construction of the handle is such that when it is not desired to use the umbrella the handle can be inverted in order that the hollow portion thereof will extend downwardly on the stick to surround a portion of the canopy. When the handle has been thus inverted it will be appreciated that the length of the umbrella will be materially reduced and it can be conveniently placed in a suit case or similar traveling receptacle. Besides reducing the length of the umbrella, the handle when in the dotted position D serves as a retainer to hold the canopy in its folded position. The opposite end of the stick B is threaded as hereinbefore described, and if desired the handle 5 instead of being engaged with the above described portion of the stick may be engaged with the portion 4 and when in this position the open end of the handle extends toward the stem 3 of the stick. It may be stated that the portion 4 of the stick has removably engaged therewith a ferrule 8, the ferrule being removable for the purpose of accommodating the handle 5 when it is applied to the stick in the last named manner.

In Fig. 6 of the drawing the handle 5 is engaged with the stick in such manner that it surrounds the extremities of the stretchers C and also the runner E. In this form of my invention it will be appreciated that a smaller handle can be used incident to its being capable of engagement with parts interiorly of the canopy.

When the handle 5 is secured on the umbrella stick or staff as shown in dotted lines in Fig. 1, with the reduced end thereof threaded on the lower end or terminal of the umbrella staff or stick, the edge portions of the umbrella cover or canopy will be compressed tightly by the wall of the handle, and the annular bead 7 of the handle permits of a frictional engagement between the handle and the umbrella cover without danger of wearing or cutting the umbrella cover. The operation of screwing the reduced end of the handle upon the umbrella staff or stick permits a twisting of the um-

rella cover so that the compressing of the edge portions thereof will be facilitated.

I claim:—

5 In combination with an umbrella comprising a staff and a folding cover having its edge portions adapted to lie close to the lower terminal of the staff, a handle formed of tubular metal and provided with a reduced internally threaded end and with an  
10 end rolled upon itself to form a bead and removably secured to the lower terminal of the staff, said handle being adapted to be secured to the lower terminal of the staff so

that the bead thereof is supported outwardly of the staff or so that the edge portions of the cover are inclosed by the body portion of the handle, said body portion being adapted to compress the edge portions of the cover around the staff and said bead being adapted to prevent mutilation of the cover. 15 20

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

EMERY D. HOWE.

Witnesses:

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