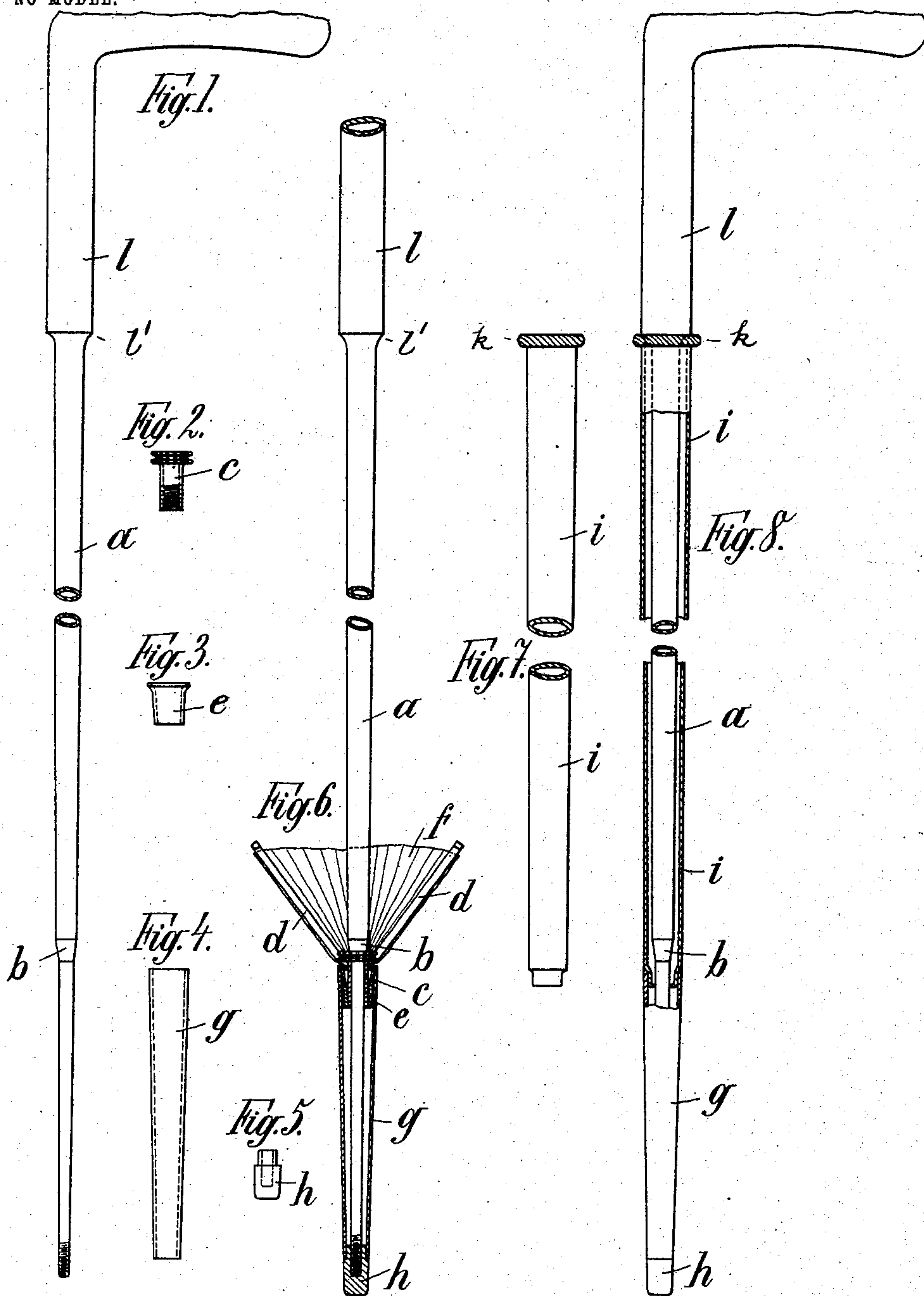


R. KRONENBERG.

COMBINED CANE AND UMBRELLA OR PARASOL.

APPLICATION FILED MAY 26, 1903.

NO MODEL.



Witnesses:  
 Victor H. Healy.  
 Albert Klein

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## UNITED STATES PATENT OFFICE.

RUDOLF KRONENBERG, OF OHLIGS, GERMANY.

## COMBINED CANE AND UMBRELLA OR PARASOL.

SPECIFICATION forming part of Letters Patent No. 741,678, dated October 20, 1903.

Application filed May 26, 1903. Serial No. 158,784. (No model.)

*To all whom it may concern:*

Be it known that I, RUDOLF KRONENBERG, a subject of the King of Prussia, German Emperor, residing at Ohligs, Prussia, Germany, have invented an Improved Combined Cane and Umbrella or Parasol, of which the following is a specification.

This invention relates to an improved combined cane and umbrella or parasol which is so constructed that the umbrella or parasol may be readily converted into a walking-cane of the usual dimensions and appearance.

In the accompanying drawings, Figure 1 is a side view of the umbrella-stick; Fig. 2, a detail of the crown-piece; Fig. 3, a detail of the cap; Fig. 4, a detail of the sleeve; Fig. 5, a detail of the ferrule; Fig. 6, a side view, partly in section, showing the device fitted up as an umbrella. Fig. 7 is a detail of the tube, and Fig. 8 a side view, partly in section, showing the device fitted up as a cane.

The umbrella-stick *a*, which may be made of metal tubing, is reduced in diameter below the handle *l* and tapers from top to bottom. At a point above its lower end the stick *a* has a coniform shoulder *b*, adapted to form the seat for a crown-piece *c*, to which the umbrella or parasol ribs *d* are pivoted in the usual manner. The crown *c* terminates below in a socket-piece or sleeve, over which is slid a cap *e*, so formed that when the umbrella-covering has been passed with its central hole over the crown-piece *c* the edge of the covering is clamped between the crown *c* and the cap *e*, as shown at Fig. 6. For securing the crown *c* in its position on the stick a sleeve *g*, Fig. 4, is slid over the lower end of the stick and is fixed thereon by means of the ferrule *h*. (Shown separately at Fig. 5.)

This ferrule has a threaded hole, by means of which it is screwed onto the threaded end of the stick *a*, as shown at Fig. 6. The sleeve *g* presses against the cap *e* on screwing up the ferrule *h* and presses it, together with the crown *c*, against the shoulder *b*, so that by this means a secure fixing of the crown *c*, together with the umbrella-frame and its covering, upon the stick *a* is obtained. The umbrella or parasol frame is of the usual construction and is therefore only partly shown

at Fig. 6. It will be seen that for repairing or re-covering the umbrella it is only necessary to unscrew the ferrule *h*, whereupon the sleeve *g* and crown *c*, together with the frame and its covering, can be drawn off the lower end of the stick. The cap *e* (shown separately at Fig. 3) can, if necessary, be specially connected to the socket and crown, such as by screwing, as shown at Figs. 2 and 6, or the cap *e* may be secured to the socket of the crown by riveting. In the latter case the rivet would have to be removed when the frame is to be re-covered, as the covering *f* is clamped between cap *e* and crown *c*, as above stated.

The above-described umbrella-stick can be converted into a walking-stick in a very simple manner. For this purpose after the umbrella-frame has been removed in the manner above described there is fitted upon the stick *a* a tube *i*, Fig. 7, the upper end of which is provided with an ornamental beading *k* and bears against the shoulder *l'* of the handle *l*. The lower end of tube *i* is of reduced diameter, so that the end of the sleeve *g* can be fitted over such reduced part, as shown at Fig. 8, and the latter can be made with an inward-projecting rim, as shown, so as to fit closely against the thin lower end of the stick. On screwing up the ferrule *h* upon the stick the upper end of the sleeve *g* is made to press firmly against the lower end of the tube *i*, the upper end *k* of which is thereby pressed firmly against the shoulder *l'* of the handle *l*. By this means a useful strong walking-stick is produced which is similar in appearance to an ordinary walking-stick and does not show that it is a converted umbrella-stick.

The above-described construction has the advantage that when traveling the tube *i*, which is of moderate length, can be readily packed in a trunk when the umbrella is fitted on the stick and also when arranged as a walking-stick. The umbrella-frame, which is of a corresponding moderate length, can also be so packed.

What I claim, and desire to secure by Letters Patent of United States, is—

In a combined cane and umbrella or para-

sol, a stick having an upper shoulder, a lower  
shoulder, a lower reduced section and a  
threaded tip, combined with a sleeve adapted  
to be projected over the reduced stick-sec-  
5 tion, and a tapped ferrule adapted to engage  
the threaded tip, substantially as specified.

In witness whereof I have hereunto signed

my name in the presence of two subscribing  
witnesses.

RUDOLF KRONENBERG.

Witnesses:

VICTOR W. HELDT,  
ALBERT KLEIN.