(No Model.)

H. KILLENBERGER.

WALKING CANE WITH REMOVABLE TOBACCO PIPE TUBE, &c.

No. 457,160. Patented Aug. 4, 1891.

Fig. 1.

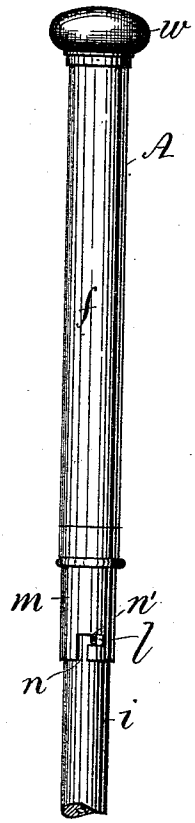


Fig. 2.

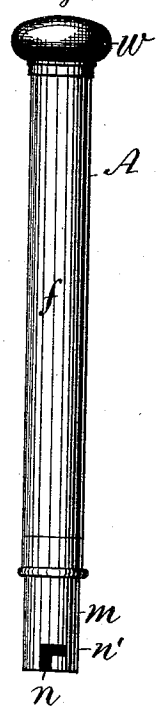


Fig. 3.

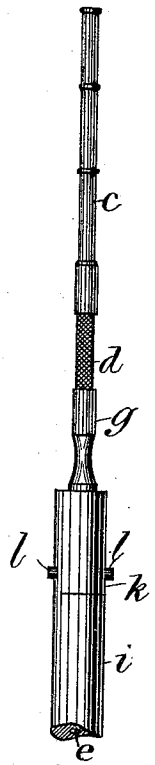


Fig. 4.

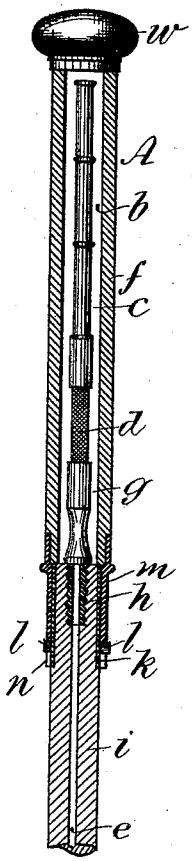


Fig. 5.

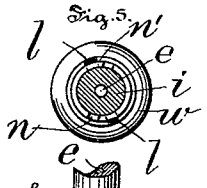


Fig. 6.

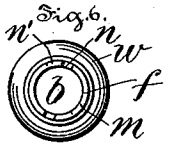


Fig. 7.



Fig. 11.

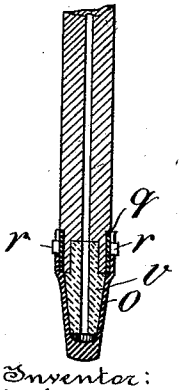


Fig. 8.

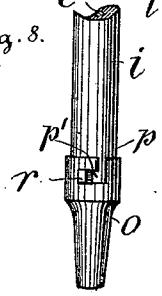


Fig. 9.

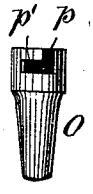
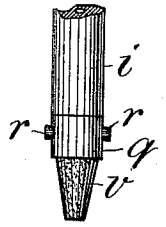


Fig. 10.



Witnesses:
Hermann Bormann.
Thomas M. Smith.

Inventor:
Hubert Killenberger,
by J. Walter Douglass
Att'y.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HUBERT KILLENBERGER, OF HOSSKIRCH, WÜRTEMBERG, GERMANY.

WALKING-CANE WITH REMOVABLE TOBACCO-PIPE TUBES, &c.

SPECIFICATION forming part of Letters Patent No. 457,160, dated August 4, 1891.

Application filed April 6, 1891. Serial No. 387,830. (No model.)

To all whom it may concern:

Be it known that I, HUBERT KILLENBERGER, royal woodranger, of Hosskirch, in the Kingdom of Würtemberg and German Empire, have invented new and useful Improvements in the Combination of Walking-Canes with Removable Tobacco-Pipe Tubes and Bayonet Closures, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to improvements in the combination of walking-canes with removable tobacco-pipe tube and bayonet closure.

The numerous lovers of long pipes have not hitherto had the opportunity of carrying such pipes everywhere with them without suffering considerable inconvenience. The object of this invention is to obviate this defect in a simple and expeditious manner, and as it consists of a combined walking-stick and pipe-stem it unites the agreeable with the useful. The upper as well as the lower part of the stick can be removed in a very convenient manner, while without any time being wasted the bowl portion of the pipe, which is carried in a case on the person, can be connected with the pipe-stem, or the walking-stick itself may be used as a long pipe-stem. After use the pipe may be again converted after a few manipulations into a walking-stick.

In the accompanying drawings, Figures 1 and 8 show the upper and lower part of the combined walking-stick and pipe-stem. Figs. 2 and 9 show the turned upper and lower ends of the cherry-wood pipe-stem. Fig. 3 shows the mouth-piece of the pipe with its india-rubber tube, which are both placed inside the upper end of the stick. Figs. 4 and 11 are respectively a longitudinal section of the upper and lower ends of the walking-stick combined with the long pipe-stem. Figs. 5, 6, and 7 are plans corresponding to Figs. 1, 2, and 3. Fig. 10 shows the lower end of the pipe, which is placed within the lower turned end of the stick, together with the lower end of the cherry pipe-stem.

Referring to Figs. 1 and 2, A is the upper end of the walking-stick, consisting of a handle, a knob, and a closing end or tube. *f*, Figs. 1 and 2, is the upper part or handle of the stick below the knob, this part having a somewhat larger diameter than that of the cherry-wood pipe-stem. The knob *w*, Figs. 1, 2, and 4, may have any suitable form or shape. The pipe-stem *i*, Figs. 1, 3, 4, 8, and 10, is provided inwardly and throughout its length with a narrow cylindrical perforation *e*, Figs. 1, 5, 7, 8, 10, and 11.

The upper part A of the walking-stick is furnished inwardly with a perforation *b*, Figs. 4 and 6, in which are placed the mouth-piece *c* of the pipe and the india-rubber tube *d*, Fig. 3. This mouth-piece *c* is preferably made of horn. Below the india-rubber pipe *d* is placed the small horn tube *g*, Figs. 3 and 4, with its appendage *h*, Fig. 4, and below this horn tube is arranged a nickeled ring *k*, Figs. 1, 3, and 7, furnished with two quadrangular pins *l*, Figs. 1, 3, 5, and 7. The ring *k* fits snugly in the two vertical guiding-openings of the closing end *m*, Figs. 1, 2, 4, and 6, which is further furnished with corresponding transverse openings *n'*, Figs. 1 and 2.

o, Figs. 8 and 9, is the ferrule, arranged at the lowermost end of the walking-stick, so that it can be readily removed.

v, Figs. 10 and 11, is the lowermost end of the pipe-stem projecting within the ferrule *o*, and is made of cork. *q*, Fig. 10, is a nickel ring, and *r* are two quadrangular pins of the same.

p, Figs. 8 and 9, are two vertical guiding-openings, in which the ring *q* fits snugly. *p'* are two corresponding transverse openings, Fig. 3.

When the combined walking-stick and pipe-stem is required for use as a long pipe, the whole of the upper part A of the walking-stick is removed by turning the handle *f* toward the left-hand side until the pins reach the vertical guides *n*, the lower part *o* being removed in a similar manner when the pipe-bowl or upper part of its neck or holder is fixed upon the lowermost part or cork *v* of the pipe-stem, this holder being perforated for this purpose. When, on the contrary, it is desired to convert again the pipe into a walking-stick, the part A is placed over the mouth-piece *c* of the pipe and the india-rubber tube *d*, and the pipe-bowl is removed from the cork end *v*.

The new combined walking-stick and pipe-stem need not be used solely for long pipes. It may be used for ordinary pipes, in which case the upper part A of the walking-stick is turned and removed in the manner above set forth, the mouth-piece *c* and the india-rubber tube *d* being removed from the part of the pipe shown in Fig. 3 and replaced by an ordinary horn mouth-piece, while the lower end *o* of the stick is likewise withdrawn. The pipe-bowl is now fixed to part *v* in the usual or in any other preferred manner.

To reconvert the ordinary pipe into a walking-stick the horn mouth-piece and the bowl are removed, and the parts A and *o* are placed back in their normal position.

In order to render the use of this new article thoroughly practical, it is necessary that all these manipulations should be readily and conveniently effected.

When the walking-stick itself is used as a pipe, the parts thereof which are not wanted—that is to say, the part A and the lower part *a*—are put away or simply placed in the pocket. When the new article is used as a walking-stick, the pipe-bowl is returned to its casing, so that the walking-stick may be converted without inconvenience into a pipe, or vice versa.

The pipe-bowl used may obviously be made to assume any form or shape, according to the taste of the smoker.

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

The herein-described combination walking-cane and pipe-stem, comprising a tubular stick provided at the upper extremity with a mouth-piece and at the lower extremity with a pipe cork or nozzle, a knob provided with a sleeve detachably fitting the upper extremity of said stick, a ferrule provided with a sleeve detachably fitting the lower extremity of said stick, and bayonet connections for detachably connecting said knob and ferrule to said stick, for the purposes set forth.

In witness whereof I have hereunto set my hand in presence of two witnesses.

HUBERT KILLENBERGER.

Witnesses:
IRLAY WETZEL,
Gerichts amt. Assistant in Saulgau.
ROBERT BLÜM,
Not. land in Saulgau.