

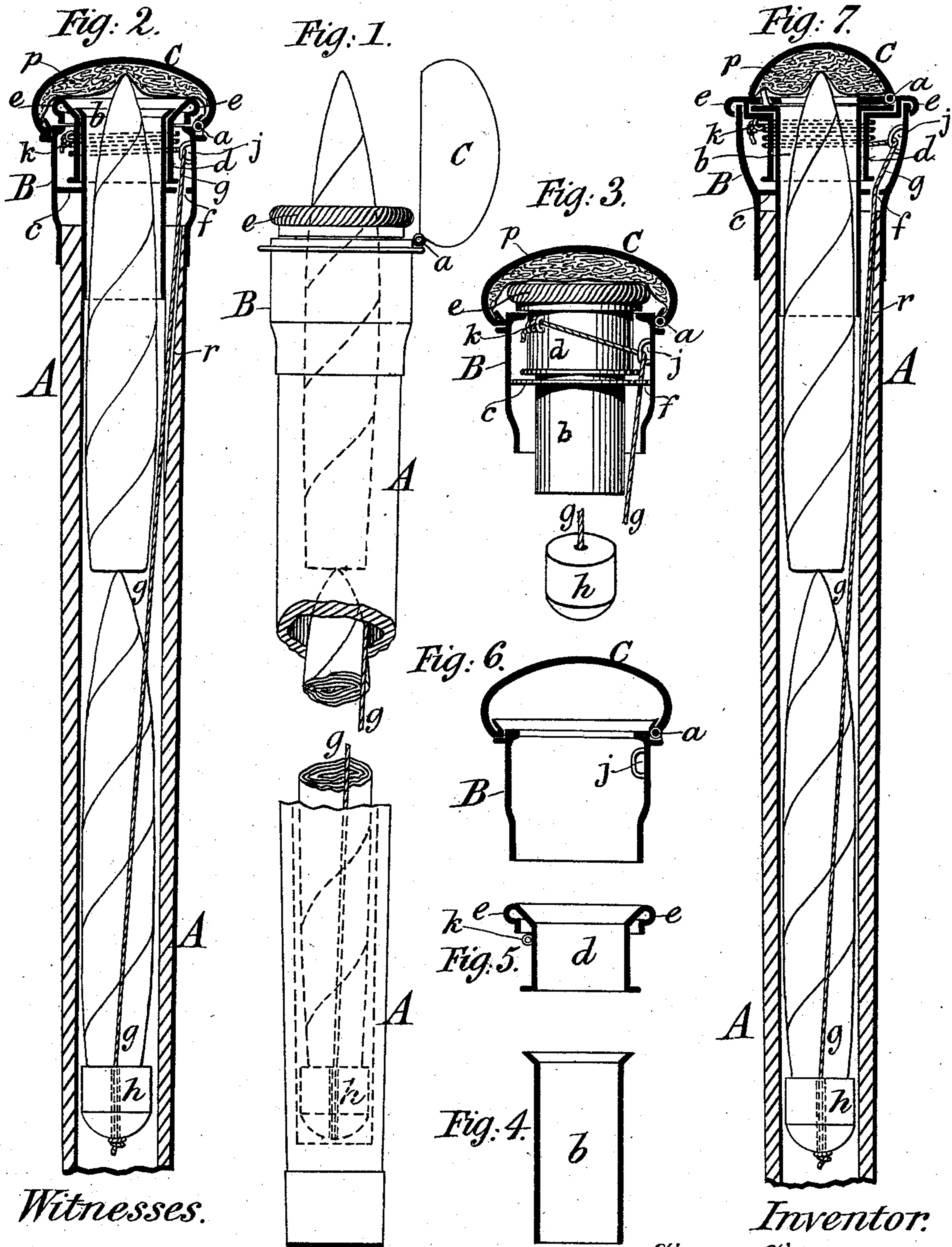
(No Model.)

S. SIMMONS.

WALKING STICK, UMBRELLA HANDLE, &c.

No. 372,177.

Patented Oct. 25, 1887.



Witnesses.

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# UNITED STATES PATENT OFFICE.

SIMON SIMMONS, OF LONDON, COUNTY OF MIDDLESEX, ENGLAND, ASSIGNOR  
TO LIONEL MONTAGU DAVIS, OF SAME PLACE.

## WALKING-STICK, UMBRELLA-HANDLE, &c.

SPECIFICATION forming part of Letters Patent No. 372,177, dated October 25, 1887.

Application filed June 13, 1887. Serial No. 241,205. (No model.)

*To all whom it may concern:*

Be it known that I, SIMON SIMMONS, a subject of the Czar of Russia, residing at London, England, have invented certain new and useful  
5 Improvements in the Construction of Walking-Sticks, Umbrellas, and Like Articles for Containing Cigars or Cigarettes; and I do hereby declare the following to be a full, clear, and exact description of the invention, reference  
10 being had to the accompanying drawings, which form a part of this specification.

My invention is designed for the purpose of providing walking-sticks, umbrellas, and like articles with means or mechanism arranged,  
15 as hereinafter fully described, for the purpose of supporting and raising cigars or cigarettes, which are located in a superposed manner in the stick—which is for the purpose hollow—the said cigars or cigarettes being, when desired,  
20 brought upward, so as to be readily grasped, by operating a pulley to which is attached one end of a cord or its equivalent, the other end depending within the hollow stick, and there attached to a disk, plug, button, or platform  
25 which supports the superposed cigars or cigarettes; and in order that my invention may be readily understood I proceed to describe the same with reference to the accompanying drawings, which represent, by way of example,  
30 a walking-stick constructed according to my invention and containing cigars.

Figure 1 is an elevation of a walking-stick to which my improvements are applied, the middle portion of the stick being broken away,  
35 and Fig. 2 is a longitudinal section of the upper portion of said stick. Fig. 3 shows, partly in section and partly in elevation, the raising mechanism detached from the stick. Figs. 4, 5, and 6 are sectional details of the raising  
40 mechanism and knob. Fig. 7 represents a modification of the invention.

A is the stick, which is tubular up to and within a short distance of the ferrule.

B is the knob or handle, having a lid, C, hinged at *a*. Within this knob a tube, *b*, is  
45 arranged centrally, and is secured thereto by a flange, *c*. Fitting as a sleeve over this central tube is a short flanged tube, *d*, having its upper portion beveled or coned outwardly,  
50 and it is free to be rotated. The tube *b* is held

in place when fitted in the outer tube by having its upper circumference splayed to correspond to the bevel in the short tube *d*. This short tube serves as a pulley, and is provided with a milled-edged flange, *e*, so as to be easily  
55 rotated by the thumb and finger. Between the knob B and the tube *b* the stick is fitted, as shown in the drawings.

A hole, *f*, in the flange *c* allows of a length of fine strong string, *g*, or its equivalent, passing to the short tube or horizontal pulley *d*, upon which it can be wound or unwound at  
60 pleasure by rotating the milled-edged flange *e*. The lowermost end of the string has depending from it a disk, button, plug, or platform, *h*, which fits loosely in the tubular stick, and upon which the charge of cigars or cigarettes is superposed. The uppermost end of  
65 the string is passed through a guide-eye, *j*, fixed to the interior wall of the knob B, and is then secured to an eye, *k*, upon the short tube or pulley *d*.  
70

A groove, *r*, is cut in the interior wall of the stick, to permit the string *g* or its equivalent to pass uninterruptedly upward or downward.  
75

The bearing or frictional surface of the short tube or horizontal pulley acts to a certain extent as a brake, which prevents the weight of the cigars in the stick having any influence on  
80 its rotation.

When the stick is to be charged with cigars or cigarettes, the lid is raised and the short tube or horizontal pulley is so rotated by its milled-edged flange as to wind up the whole  
85 of the string, and thereby bring the disk, button, or platform near to the orifice in the top of the stick, through which the cigars are inserted one by one and pushed or lowered down until the tube is full, or until so many  
90 cigars as it is required to carry are inserted, at which time the disk, button, or platform has descended partly down or to the bottom of the stick. When it is desired to withdraw  
95 a cigar, the lid is raised and the milled-edged flange of the short tube or horizontal pulley is rotated, the action of which winds up the platform and projects upward for a short distance a cigar through the orifice at top of the  
100 stick, from which it is taken by hand, the re-



maining cigars being steadily retained in the stick by simply turning the milled-edged flange until the end of the next cigar is brought upward, and on the closing of the lid comes into  
 5 contact with a pad, *p*, spring, or other contrivance in the lid. This contrivance also acts as a means to prevent the rotation of the inner tube, *d*, when the lid is closed.

In a modification shown in Fig. 7 the  
 10 horizontal pulley *d* is operated from the outside of the knob, the flange of the said pulley rotating in frictional contact with and beneath the flange of the central tube. The lid may either be hinged or it may turn upon an axis  
 15 placed near the outer edge of the knob or handle. In all other respects the invention is precisely the same as in the foregoing arrangement.

Having now described my invention and in  
 20 what manner the same may be carried into effect, I would have it understood that I am aware prior to my invention hollow sticks for containing cigars have been used; but such use, without any provision for raising the cigars, has  
 25 caused the cigars to be tumbled about and damaged. I am also aware that it has been proposed to apply mechanical arrangements to hollow

sticks for containing and raising cigarettes. I therefore do not broadly claim a hollow walking-stick or the like charged with cigars or  
 30 provided with mechanism for raising cigarettes; but

What I do claim, and desire to secure by Letters Patent, is—

1. The combination, with the hollow stick, 35 a disk therein, and a cord connected with the disk, of a pulley at the upper end of the stick for winding the cord to elevate the disk, substantially as described.

2. The combination, with a hollow stick, a 40 disk therein, and a cord connected with the disk, of a hollow pulley journaled at the upper end of the stick, and a hinged cap or lid for covering the upper open end of the pulley, substantially as described. 45

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

SIMON SIMMONS.

Witnesses:

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