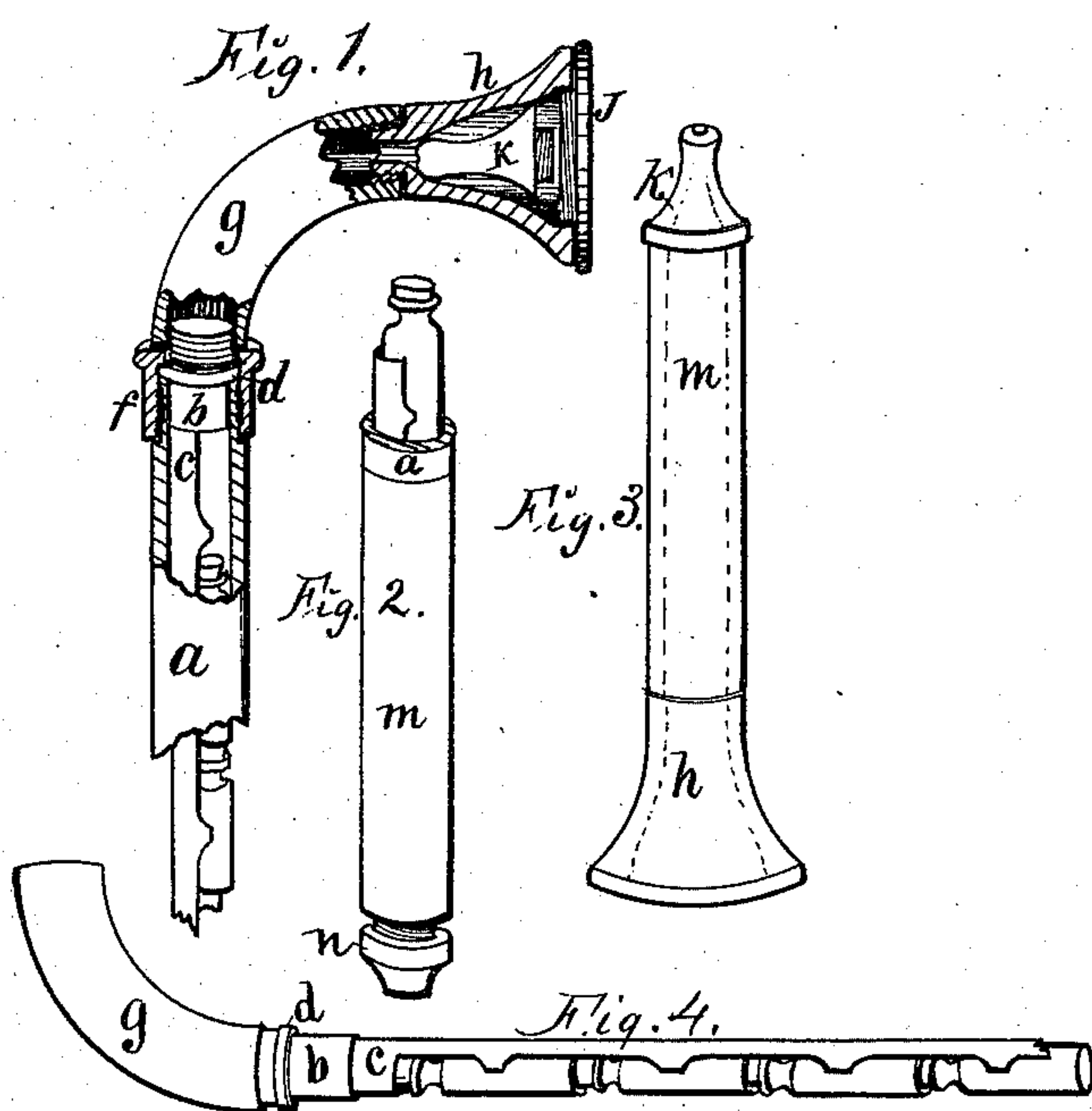


R. G. ENGLISH.

Canes.

No. 156,456.

Patented Nov. 3, 1874.



Witnessed.  
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# UNITED STATES PATENT OFFICE.

ROBERT G. ENGLISH, OF DES MOINES, IOWA.

## IMPROVEMENT IN CANES.

Specification forming part of Letters Patent No. **156,456**, dated November 3, 1874; application filed June 8, 1874.

*To all whom it may concern:*

Be it known that I, ROBERT G. ENGLISH, M. D., of Des Moines, Iowa, have invented a Combined Walking-Cane, Medicine-Case, and Stethoscope, of which the following is a specification:

The object of my invention is to furnish a walking-cane for medical practitioners that can be used as a medicine-case, and also as a medical instrument. It consists in combining a cane, a case, and a stethoscope, as herein-after fully set forth.

Figure 1 of my drawing is a view of a top portion of my cane, and illustrates the manner of constructing and adapting it for the several purposes named.

*a* is a section of the tubular body of a cane, which may be made of any suitable material and of any size desired. *b* is the head of a semi-tubular case, *c*, formed and adapted to retain vials. *d* is a rim on the head *b*, designed to engage a corresponding shoulder on the adjustable band or ferrule, which serves to lock the case *b c* to the cane *a*. *f* is the adjustable ferrule. It has a female screw inside, which admits and retains the screw cut on the top end of the tubular cane *a*. *g* is a bowed extension or neck of the cane. It has a screw-thread in the lower end to engage the screw on the head *b* of the case *c*, and one in the upper end to engage and hold the head of the cane. *h* is the head of the cane, provided with a suitable chamber and a removable

cover to adapt it to inclose and carry the ear-tube *K* of the stethoscope. *J* is the movable cap or cover, screwed into the large open end of the head *h*.

Fig. 2 represents the lower portion of the cane. *m* is the movable tubular part, used for stethoscopic purposes. *n* is the movable socket of the cane.

Fig. 3 is the stethoscope, formed by taking the head *h* from the neck *g* and the movable section *m* from the cane, removing the cover *J* and ear-tube *K* from the head, screwing the hollow head *h* to one end of the hollow cane-section *m*, and then substituting the ear-tube *K* for the socket *n*. A complete stethoscope can be thus readily produced whenever desired.

Fig. 4 represents a common case, *b c*, attached to the neck *g* when withdrawn from the cane *a*, which conceals and protects it when properly inserted. The bent neck forms a handle to take hold of in withdrawing and inserting the case, and also keeps the case in proper position and at rest when laid down flat.

I claim as my invention—

The combined walking-cane, medicine-case, and stethoscope, substantially as herein shown and described.

ROBERT G. ENGLISH.

Witnesses:

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