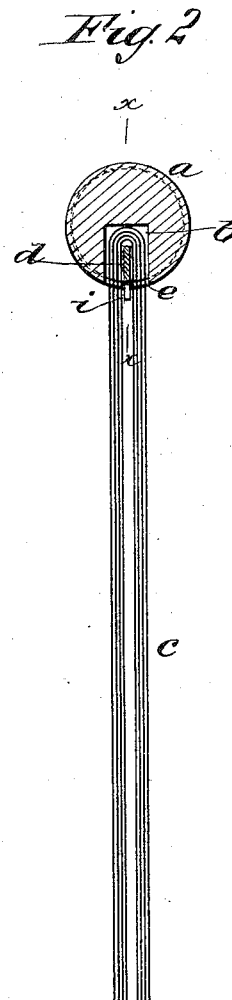
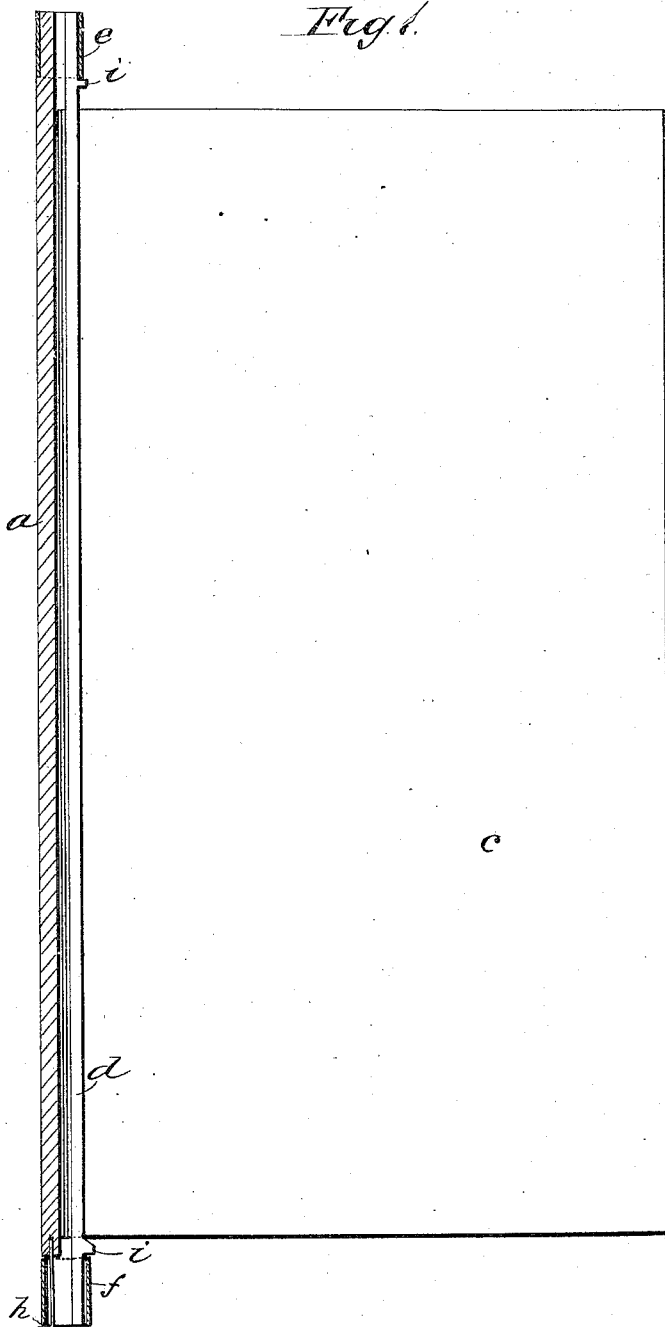


(Model.)

J. F. HUTH.
NEWSPAPER FILE STICK.

No. 306,490.

Patented Oct. 14, 1884.



9 WITNESSES:

Francis McArdle.
C. Sedgwick

INVENTOR:

J. F. Huth

BY

mm

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN F. HUTH, OF NORWALK, OHIO.

NEWSPAPER-FILE STICK.

SPECIFICATION forming part of Letters Patent No. 306,490, dated October 14, 1884.

Application filed October 23, 1883. (Model.)

To all whom it may concern:

Be it known that I, JOHN F. HUTH, of Norwalk, in the county of Huron and State of Ohio, have invented a new and Improved Newspaper-File Stick, of which the following is a full, clear, and exact description.

My invention consists in the construction and arrangement of parts, as will be hereinafter fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a longitudinal sectional elevation of my improved file-stick, with a paper sheet fixed in it, on the line *xx* of Fig. 2, and Fig. 2 is a transverse section of Fig. 1 on an enlarged scale.

I take a round or other suitably-shaped stick of wood, *a*, or any other suitable material, and form a longitudinal groove, *b*, in it throughout its length, making the groove as deep and wide as required for the size and form of the papers *c* to be filed, and provide a thin binder-blade, *d*, of metal, to fit in the groove, extending from end to end, and secure the blade at one end of the stick by a ferrule, *e*, permanently fitted to the end of the stick, in which the end of the blade *d* may be confined by inserting the end of it under the ferrule, and, if desired, the blade may be permanently confined in the ferrule and the groove by a pivot-pin. At the other end I secure the blade by a ferrule, *f*, fitted to slip on and off the end of the stick readily, and being temporarily secured

by a snap-spring, *g*, attached to the end of the stick, and having a catch, *h*, that springs up behind the end of the ferrule when slipped on the end of the stick over the spring. The spring is pressed down by the thumb-nail when the ferrule is to be taken off for opening the file.

The binder-blade is constructed with shoulders *i*, which bear against the inner ends of the ferrules to prevent said blade from shifting lengthwise along the stick. The stick *a* may be made by bending a thin flat strip of metal into U shape, if preferred, and when so made may be covered with cloth or strong paper.

The filed papers or documents may be provided with any suitable cover for their protection.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The improved file-stick consisting of a grooved rod or bar, *a*, binding-blade *d*, permanently-secured ferrule *e*, removably-secured ferrule *f*, and the snap-spring *g h*, combined and arranged substantially as described.

2. The binder-blade *d*, having shoulders *i*, in combination with the grooved rod or bar *a*, and retaining-ferrules *e* and *f*, substantially as described.

JOHN F. HUTH.

Witnesses:

GUST CONROD,
WILLIAM P. HUND.