H. S. WILLIAMS.

Newspaper-File.

No. 199,606. Patented Jan. 22, 1878.

Fig. 1.

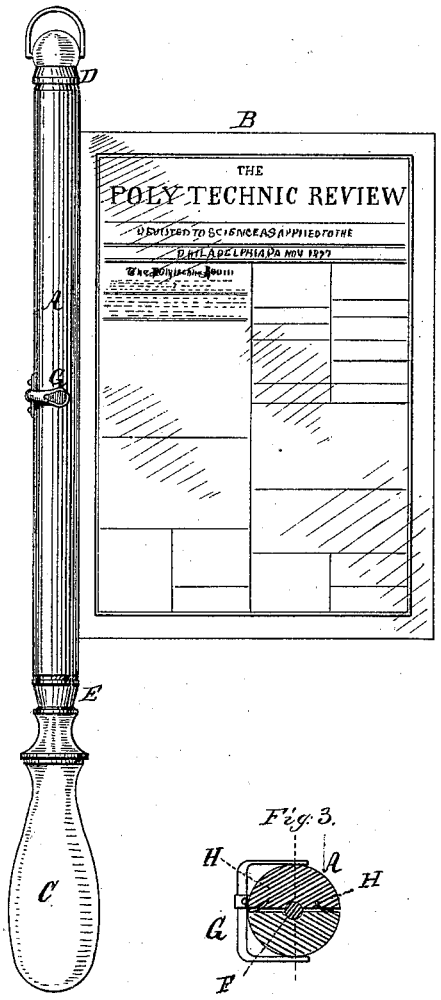


Fig. 2.

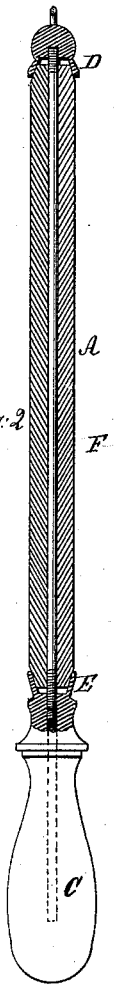
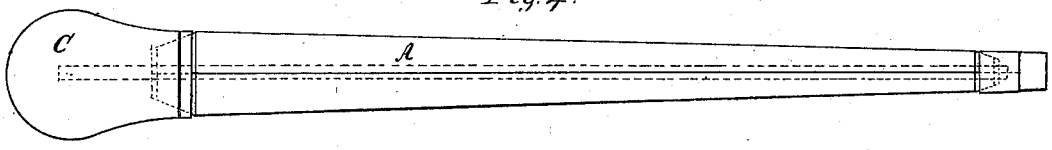


Fig. 3.

Fig. 4.



Witnesses.
C. H. Latimer.
Wm. H. H. Emmons

Inventor.
H. S. Williams
by J. H. Adams
atty.

UNITED STATES PATENT OFFICE.

HENRY S. WILLIAMS, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN NEWSPAPER-FILES.

Specification forming part of Letters Patent No. **199,606**, dated January 22, 1878; application filed November 27, 1877.

To all whom it may concern:

Be it known that I, HENRY S. WILLIAMS, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Newspaper File and Binder, of which the following is a specification:

My invention relates to an improvement in devices for temporarily binding or holding together newspapers, pamphlets, &c., so that they will be firmly held together without the liability of becoming loose in handling, and so that the pages can be read consecutively.

The invention consists in the employment of two wooden sticks of any desired length, having beveled ends, and provided, respectively, with a tongue and groove extending centrally throughout their inner surfaces; or an iron rod may be fitted in grooves formed in each inner face of the sticks and extending partly or entirely the whole length thereof, the sticks being held together by means of a clamping device consisting of the rod and metal caps or cup-shaped ends or ferrules and screw-threads on the ends of the rods, working in metal ends or nuts. A clasp may be used for holding the sticks together at the center, when necessary.

Referring to the drawings, Figure 1 represents my invention as applied. Fig. 2 is a longitudinal section of the same. Fig. 3 is a transverse section of the holder, and Fig. 4 represents my device as applied to an ordinary walking-cane.

A represents the holder, which is composed of two sticks or pieces of wood, each of semi-cylindrical shape in cross-section, and formed with beveled ends, as shown in Fig. 2. Fitted in grooves extending longitudinally through the inner face of each stick is a metal rod, F, provided with screw-threads at each end. One end extends into a socket, E, secured to the handle C, by which it is firmly held. The socket is formed with a flaring or cup-shaped cap, as shown, which fits upon the beveled ends of the sticks. On the other end of the rod is also a flaring metal cap, D, which may screw upon the rod or be permanently attached to the same.

The effect of the beveled ends of the sticks fitting in the corresponding flaring caps is, that by turning the socket at the handle the opening between the sticks can be readily adjusted to accommodate one or more papers, as desired, and upon screwing up the socket by the handle the rods are firmly clamped together and the papers securely held.

Instead of a metal rod extending through the whole length of the sticks, there may be only a short rod at one end, to extend into the socket at the handle, and the sticks be provided, respectively, with a tongue and groove, the tongue forming a part of the stick, and the cap at the upper end of the holder be attached to the end of one of the sticks. The inner surfaces of the sticks and the rod or tongue and groove may be serrated or roughened, in order to exert a stronger hold upon the papers inclosed.

In preparing the sticks, when they are of any considerable length, I design to steam them, and bend them so that they will curve inwardly, and thus insure the contact of the inner faces throughout their length.

In case it should be necessary to provide for the more secure binding of the papers, I attach to the central portion of one of the sticks a clamping device, G, consisting of a metal bar bent at right angles and hinged or pivoted to one of the sticks, so that the ends can be turned down at the sides of the holder, to keep them together and prevent them from opening.

By my improved device I am enabled to dispense with the use of pins or projections between the sticks, which tend to tear the papers and fail to hold them securely. By means of the central rod or tongue and groove the papers are firmly and evenly held, and are not liable to be torn, so that when removed from the holder they are in a condition to be laid away whole or stitched for preservation.

In the ordinary newspaper-file the papers are secured together at their centers, one-half being on each side of the holder, and as the papers accumulate it is inconvenient to turn back to a paper of earlier date than those last placed upon file. Beside this, they are also rendered more liable to be torn by constant turning over. By means of my improvement the papers are so arranged that each page can be read consecutively, and no time is lost in the

midst of an interesting article in looking up the balance of the paper on the other side of the file.

In Fig. 4 I have represented my invention as applied to an ordinary walking-cane, the same appliances being used for securing the papers as shown in the shorter holder previously described.

What I claim as my invention is—

A newspaper-file, A, composed of two sticks, beveled at the ends and fitted with sockets or caps and a screw-rod, so that by turning the handle to which a socket is attached the papers will be firmly bound together and the opening conform to the varying thickness of papers required.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

H. S. WILLIAMS.

Witnesses:
J. H. ADAMS,
JNO. D. PATTEN.