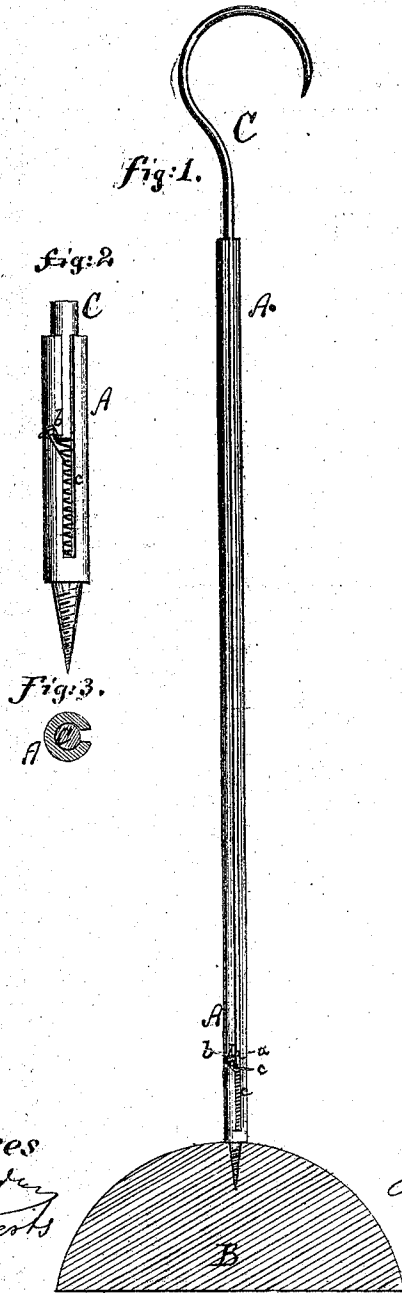


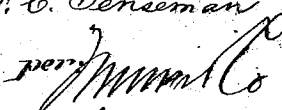
*F. C. Senseman,  
Paper Clip.*

*No. 105987.*

*Patented Aug. 2 1870.*



*Witnesses  
Mr. D. Orland  
Alex. J. Roberts*

*Inventor  
F. C. Senseman  
per.   
Attorneys*

# UNITED STATES PATENT OFFICE.

FRANCIS C. SENSEMAN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO  
HIMSELF AND A. E. STEEL, OF SAME PLACE.

## IMPROVEMENT IN PAPER-FILES.

Specification forming part of Letters Patent No. **105,987**, dated August 2, 1870.

*To all whom it may concern:*

Be it known I, FRANCIS C. SENSEMAN, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and Improved Wire File for Bills, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a side elevation, partly in section, of the improved file. Fig. 2 is a detail enlarged side view of the lower part of the same. Fig. 3 is a detail transverse section of the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object to construct a file for bills, letters, &c., in such a manner that any one bill or letter can be reached and removed without requiring the separate removal and reattachment of all those above it.

The invention consists in the combination of a wire file with a tubular slotted holder, the parts being so arranged that the wire can be withdrawn with some of the bills, leaving the remainder on the holder.

A in the drawings represents a vertical tube, secured upon a platform or foot, B, and slotted longitudinally, as shown.

C is a wire pointed at the upper end and provided near its lower end with a projecting ear or lug, *a*. The wire is inserted in the tube, the ear passing along the slot. When in proper position the ear can be turned into a notch, *b*, of the tube, in which it is held by a spring, *c*, that presses against the lower end of the wire. The spring can, however, be dispensed with. The upper end of the tube is tapered to gradually approach the size of the wire.

The letters or bills to be filed are put over the wire and held on the tube. When one particular paper is to be taken out from a number on the file, the lot is divided at the place of the desired one, and the upper half slipped upon the upper projecting part of the wire. The wire is then taken out of the tube, when the uppermost bill on the latter can readily be removed. The wire being replaced allows the upper papers to be readily slipped back over the tube.

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

The file consisting of the slotted tube A, wire C, and lug *a*, all arranged as set forth.

F. C. SENSEMAN.

Witnesses:

SAMUEL C. OGLE,  
H. B. STEWART.