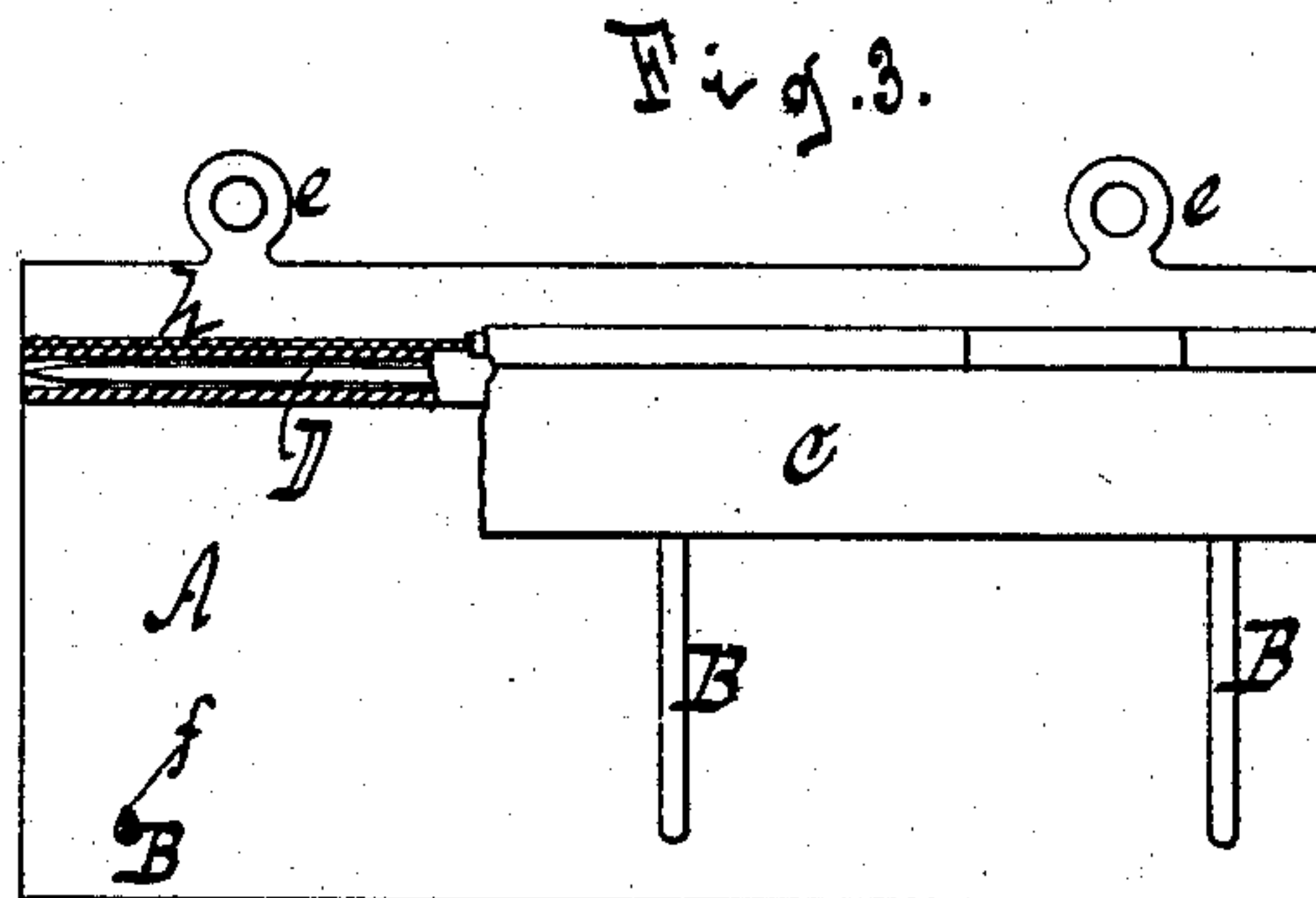
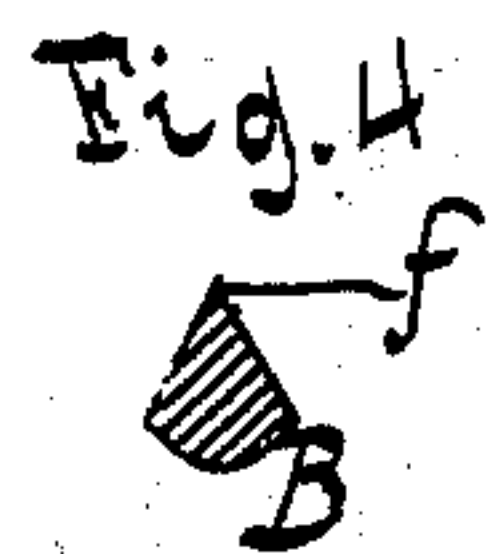
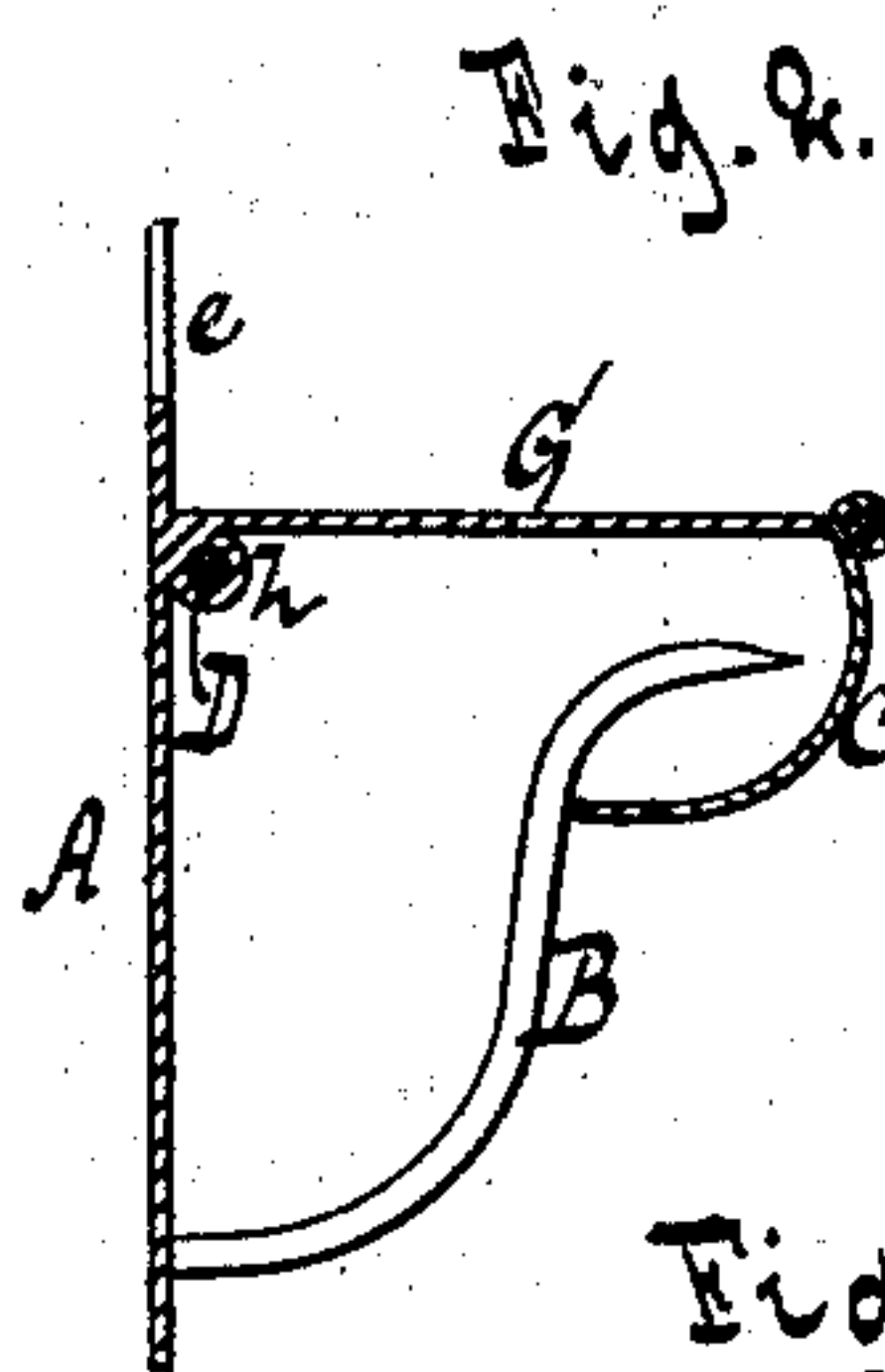
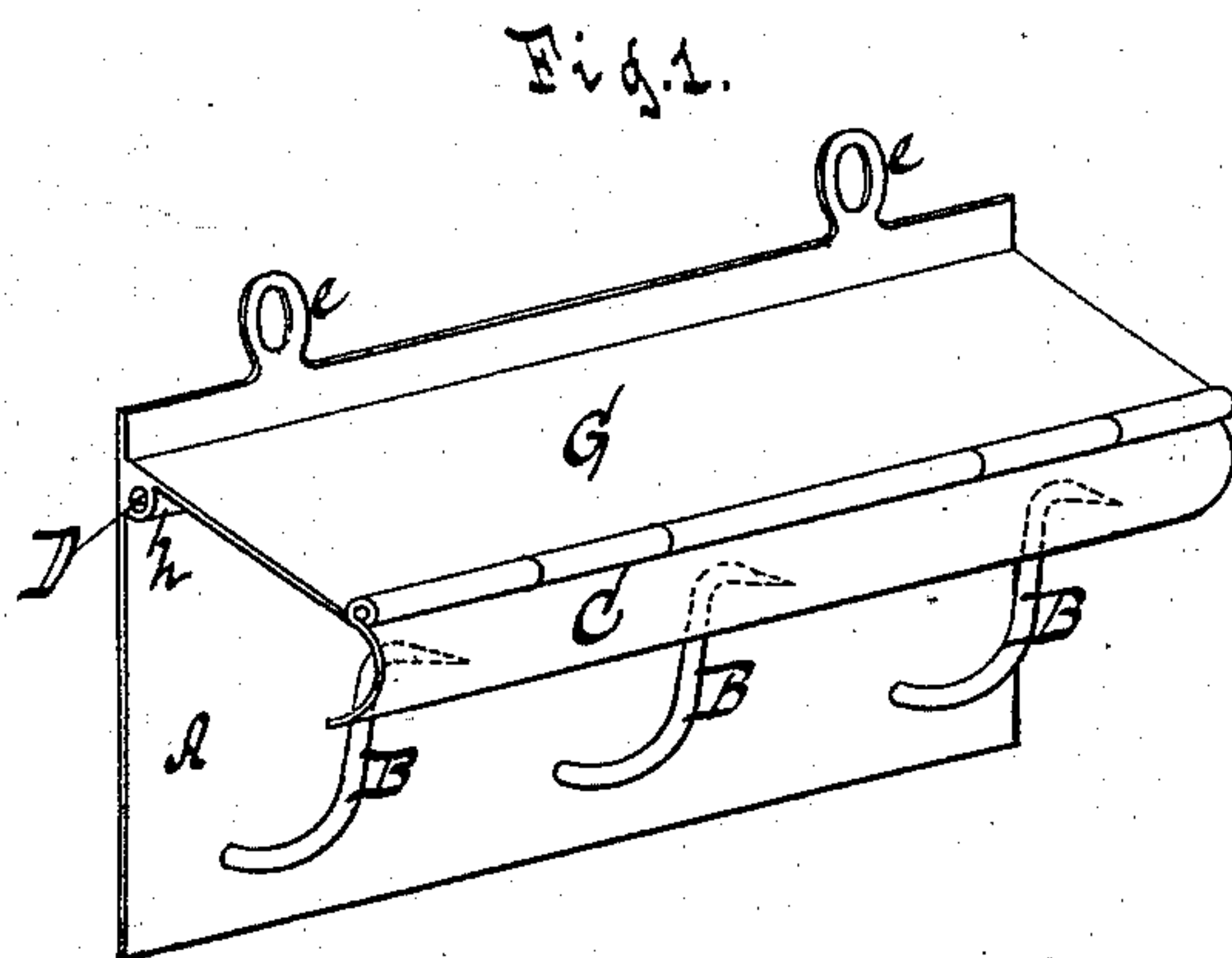


B. GREIG.
Paper-File.

No. 221,809.

Patented Nov. 18, 1879.



Witnesses
Otto Supfand
William Miller

Inventor
Bennet Greig
by Van Santvoord & Hauff
his attorneys.

UNITED STATES PATENT OFFICE.

BENNET GREIG, OF NEW YORK, N. Y.

IMPROVEMENT IN PAPER-FILES.

Specification forming part of Letters Patent No. **221,809**, dated November 18, 1879; application filed September 18, 1879.

To all whom it may concern:

Be it known that I, BENNET GREIG, of the city, county, and State of New York, have invented a new and useful Improvement in Paper-Files, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a perspective view of a file embodying my invention. Fig. 2 is a cross-section thereof. Fig. 3 is a front view, partly in section. Fig. 4 shows a modification of the filing-hooks.

Similar letters indicate corresponding parts.

My invention is especially adapted to files for holding wrapping-paper, paper bags, &c; and it consists in the combination of a back plate, a series of filing-hooks attached to the base, the same being outwardly curved and pointed at their ends, and a longitudinally-curved guard-plate hinged at its inner longitudinal edge for overlapping and catching under the pointed ends of the hooks for retaining the papers in place and protecting the pointed ends of the hooks.

It also consists in combining, with the back plate, a series of filing-hooks, the shanks of which are formed with a top and two lateral or side cutting-edges for facilitating the tearing of the paper.

In the drawings, the letter A designates the back or foundation plate; B, the filing-hooks; C, the guard, and D the piercing-needle.

The back A is provided with suspension-ears *e*, and the hooks B are secured thereto near its lower edge. These hooks B are bent outwardly or away from the back A at or near their ends, where they are sharp-pointed, so that the paper may be readily filed thereon, and the shanks of the hooks are so shaped that they present a cutting-edge, *f*, Fig. 3, pointing in an upper direction.

A modification of this cutting-edge is shown in Fig. 4, where the hook has cutting-edges on the sides as well as at the top. The advantage gained by this arrangement is, that the paper is cut when drawn to one side, as well as when it is drawn downward.

By this cutting edge or edges the paper filed on the hooks B is severed as it is torn from

the hooks, and it is obvious that this operation is thereby materially facilitated.

The guard C is curved crosswise, and is hinged to a ledge, G, projecting from the back A in such a manner relatively to the filing-hooks B that when moved to its normal position (which is the position shown) the guard catches under the bent ends of the hooks. In this manner the ends of the hooks B are protected, while at the same time the paper filed thereon is prevented from shifting beyond the guard in an upper direction, so that it is not liable to come off the hooks.

The piercing-needle D is inclosed in a case, *h*, secured to the back A.

When a pile of paper is to be put on the hooks B it is desirable to pierce the paper to receive the hooks, so as to relieve the hooks of the strain incident to forcing the paper thereon. The piercing-needle D answers this purpose, and by making this needle a part of the file it is not liable to become misplaced or lost.

A greater or less number of the hooks B are used, according to the size of paper to be filed; and, if desired, a spring may be combined with the guard C to keep the same in a lower position.

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

1. A paper-file in which are combined a back plate, A, a series of filing-hooks, B, attached to the base, and outwardly-curved and pointed at their ends, and a longitudinally-curved guard-plate, C, hinged at its inner longitudinal edge for overlapping and catching under the pointed ends of the hooks, for retaining the papers in place and protecting the pointed ends of the hooks, substantially as described.

2. The combination, with a back plate, A, of a series of filing-hooks, B, the shanks of which are formed with a top and two lateral or side cutting-edges, substantially as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 12th day of September, 1879.

BENNET GREIG. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.