

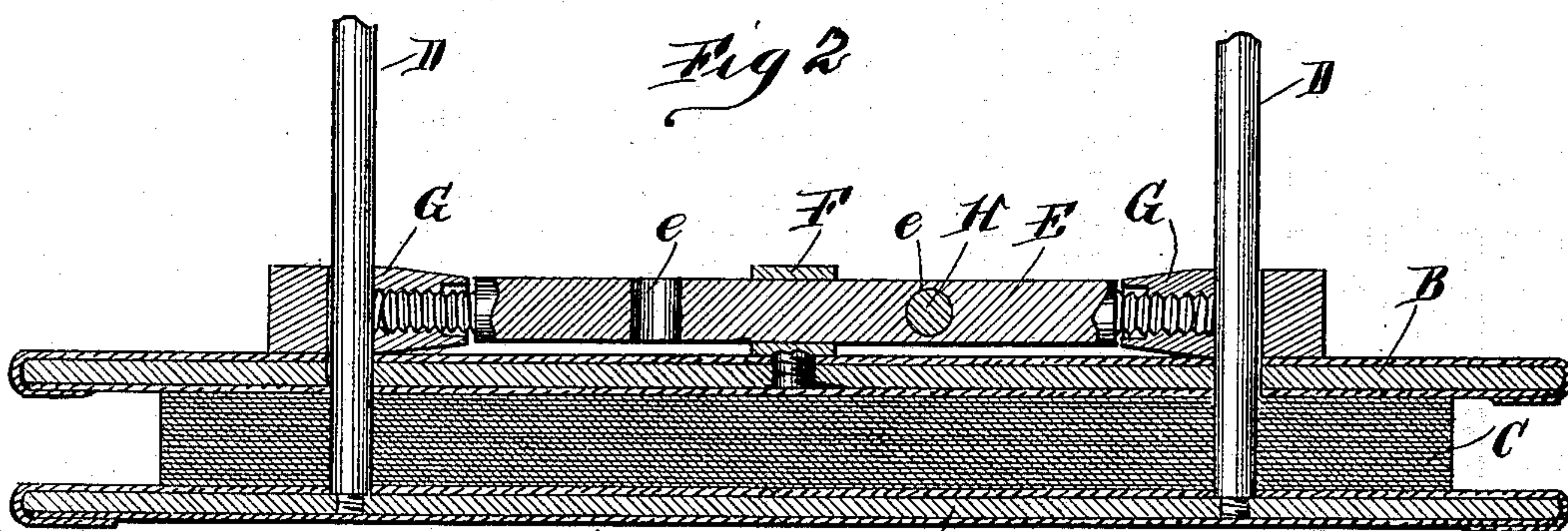
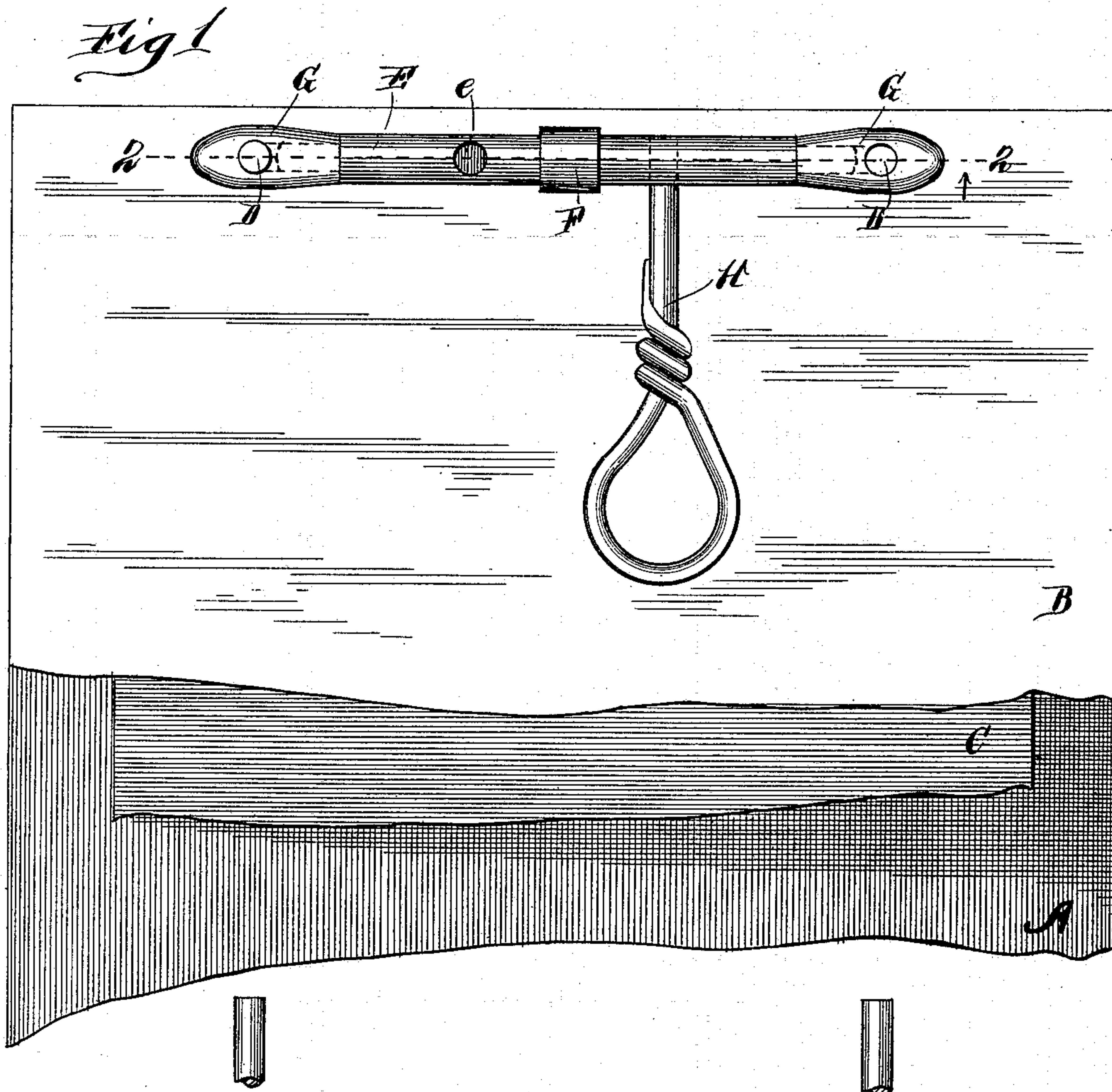
No. 615,551.

Patented Dec. 6, 1898.

C. A. O. HAARVIG.  
ORDER BINDER.

(Application filed Oct. 11, 1897.)

(No Model.)



Witnesses  
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# UNITED STATES PATENT OFFICE.

CHARLES A. O. HAARVIG, OF CHICAGO, ILLINOIS.

## ORDER-BINDER.

SPECIFICATION forming part of Letters Patent No. 615,551, dated December 6, 1898.

Application filed October 11, 1897. Serial No. 654,745. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES A. O. HAARVIG, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Order-Binders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The invention relates to that class of binders which are used in mercantile establishments for filing orders and similar documents which may be needed for reference for a short period and are subsequently removed to permanent archives.

The object of the invention is to provide a cheap and easily-operated mechanism for clamping the cover-piece of the binder in place; and it consists in the combination with a board or plate having upwardly-projecting parallel rods for securing the documents to be filed of an expanding-bar engaging by right and left screw-threads expanding blocks mounted upon parallel bars.

In the drawings, Figure 1 is a detail plan view of a portion of a binder equipped with my improved clamping device, and Fig. 2 is a sectional view on the line 2 2 of Fig. 1.

A base board or plate is shown at A, and from its upper end rise a pair of parallel rods D, which are secured in the base-board by means of screw-threads or in any other desired manner. The upper or binding plate is shown at B and is perforated to receive the rods D D and is provided with a joint adjacent to these perforations, so that it may be thrown backwardly for the purpose of affording an opportunity to examine the leaves or sheets C, which are secured between the plates A B and are held in place in part by the pressure of the upper plate and in part by the rods D D, which pass through them.

The upper plate B carries a bar E, which is secured by means of an attaching-stud F, within which it is free to turn, and has its end

oppositely screw-threaded and entering correspondingly-threaded sockets in a pair of clamping-blocks G G, which are apertured transversely to fit upon the rods D D. The bar E is provided with transverse apertures e for receiving a key H, by means of which the bar may be rotated. The apertures e pass through the rods in different directions, so that there is always one of them in position to receive the key.

In use, the leaves C having been placed upon the rods D D, the upper plate B is applied to the latter and, having been pressed down as forcibly as the operator may desire, is locked in place by turning the bar E so as to spread the blocks G G and cause them to bind forcibly against the rods D D. It is obvious that the same result would be secured by drawing the blocks G G inwardly instead of expanding them and that any of the leaves may be removed by first releasing the clamping device and removing the upper plate B.

I claim as my invention—

1. In an order-binder or the like the combination with a base-plate and parallel bars arising therefrom, of a clamping-plate apertured to slide upon the bars, clamping-blocks running upon the bars and each having a lateral screw-threaded aperture, and a rotatable bar having its ends oppositely screw-threaded and engaging the clamping-blocks, substantially as described and for the purpose specified.

2. In an order-binder or the like the combination with a base-plate and parallel bars arising therefrom, of a clamping-plate apertured to slide upon the bars, clamping-blocks running upon the bars and each having a lateral screw-threaded aperture, a rotatable bar having its ends oppositely screw-threaded and engaging the clamping-blocks, and a key for engaging the bar to rotate it, substantially as described and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES A. O. HAARVIG.

Witnesses:

LOUIS K. GILLSON,  
HESTER BAIRD.