

(No Model.)

L. M. ROBBINS.  
SPOOL CABINET.

No. 464,230.

Patented Dec. 1, 1891.

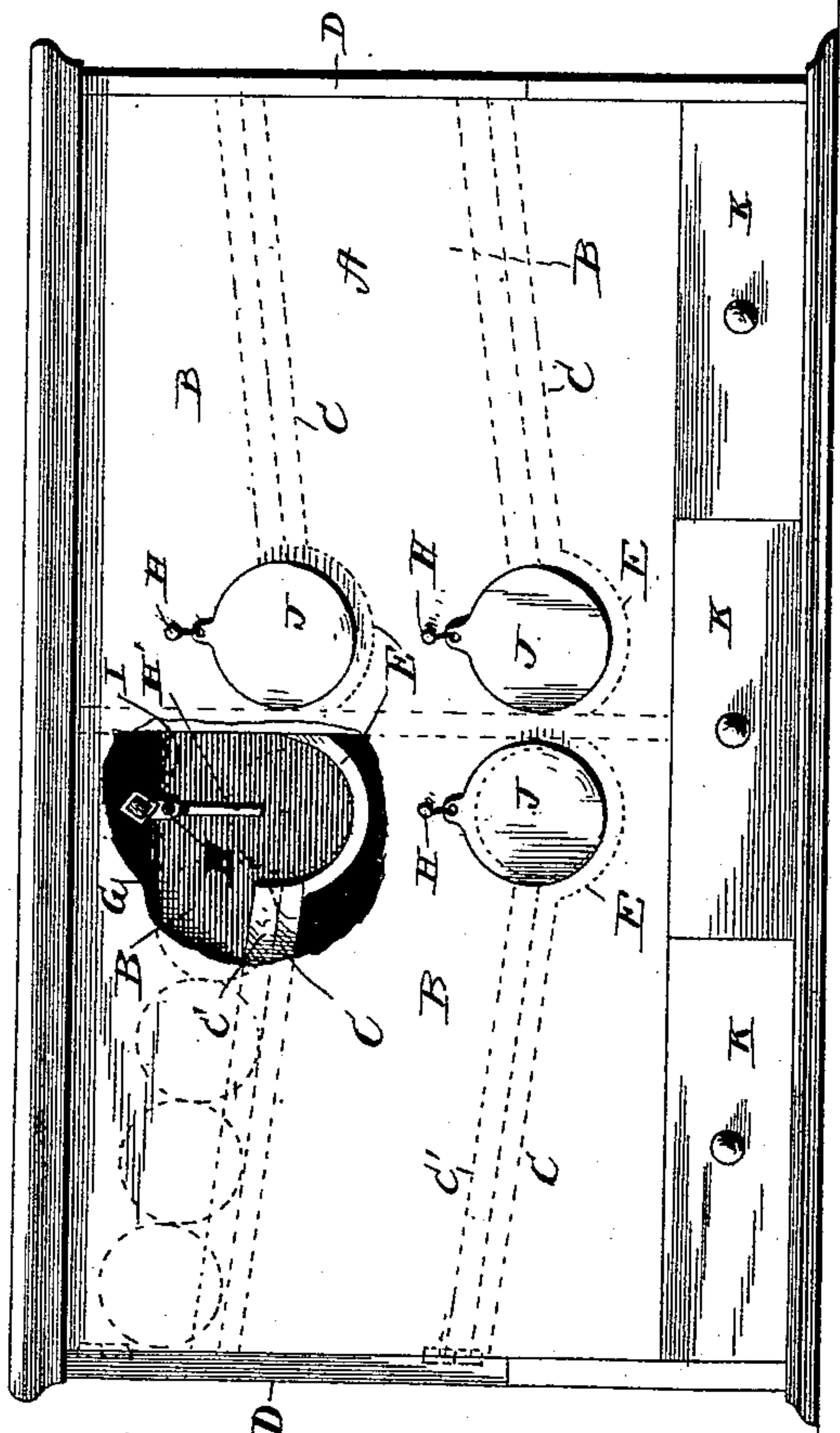


Fig. 1.

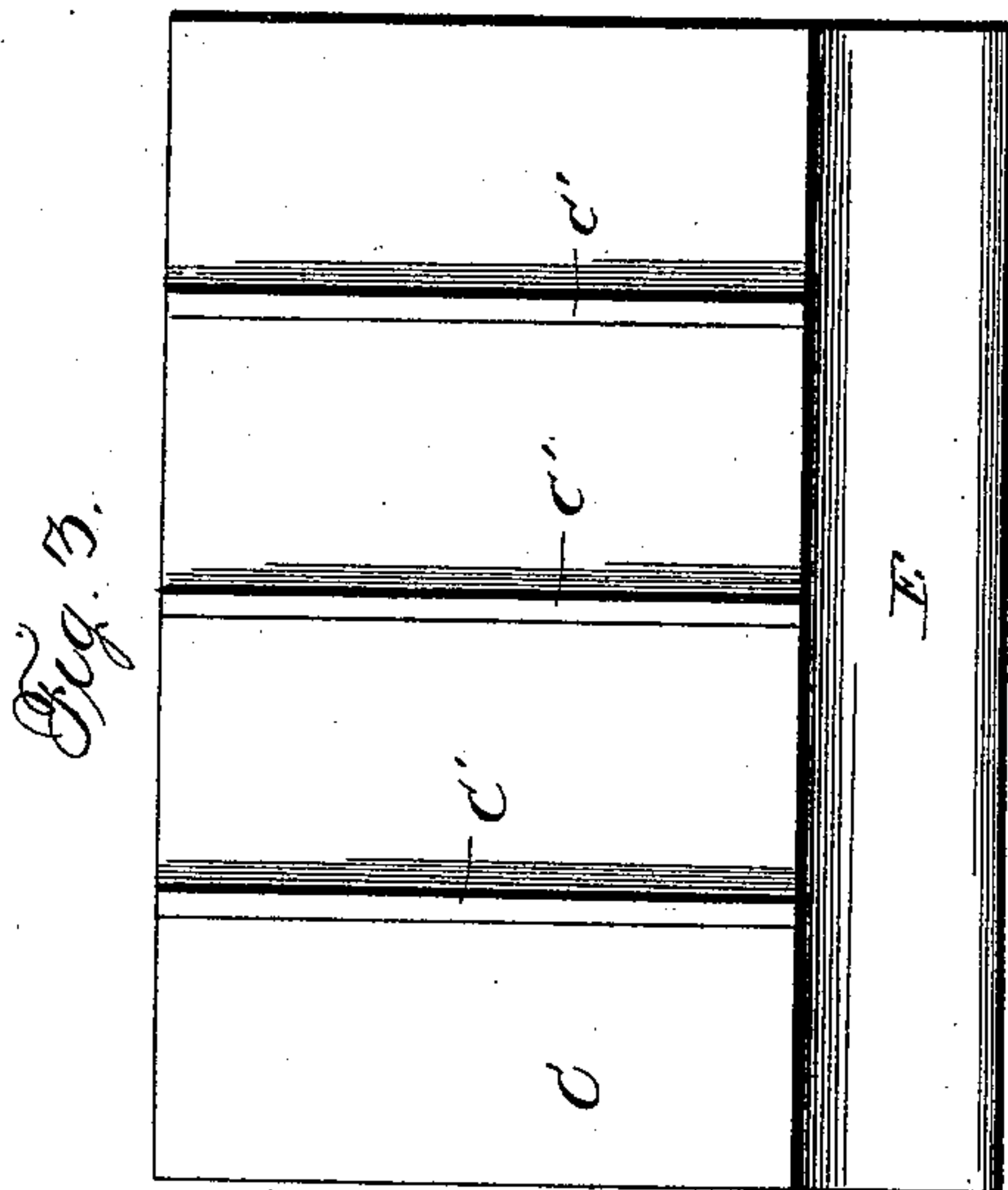


Fig. 3.

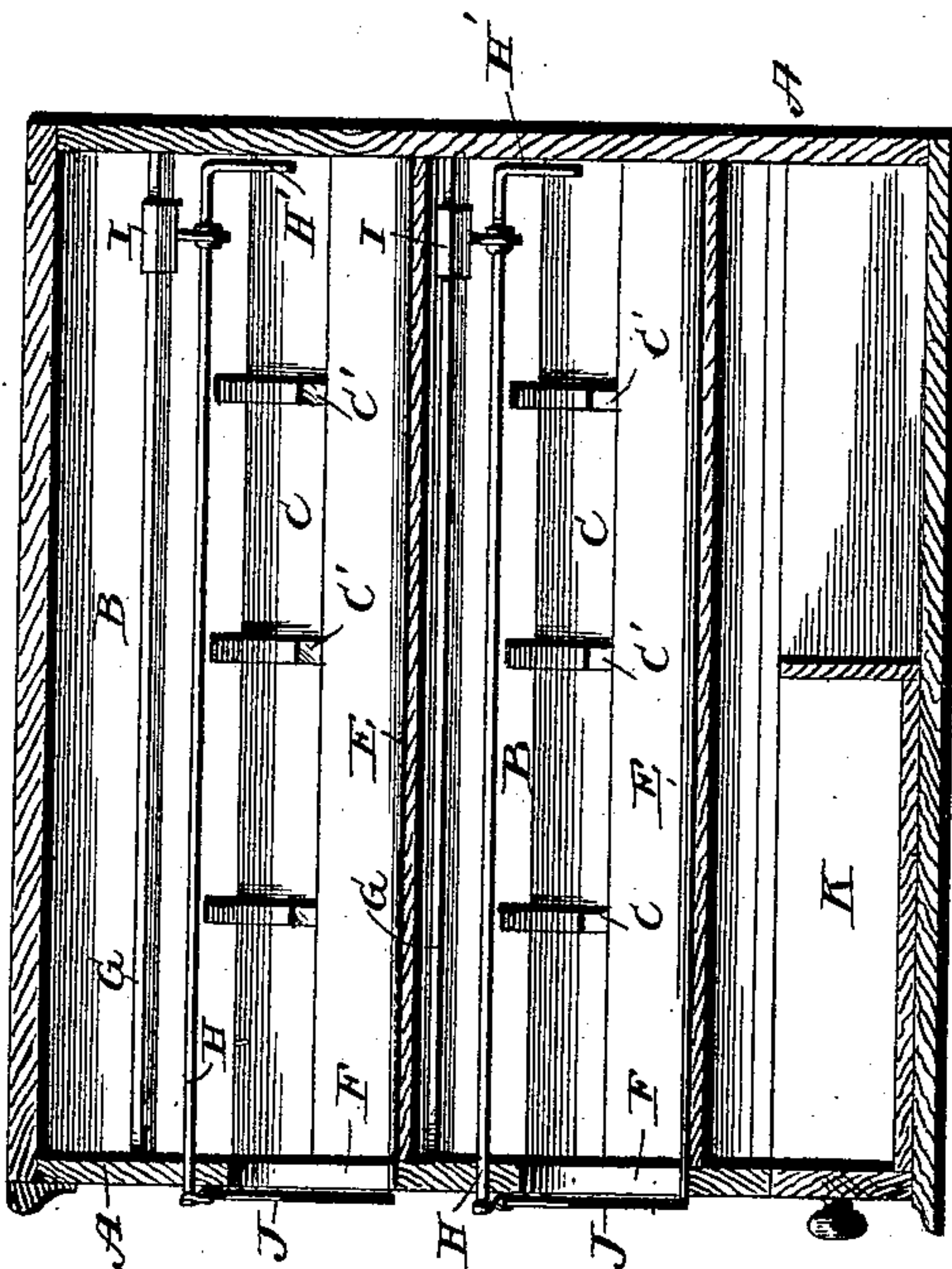


Fig. 2.

Witnesses  
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# UNITED STATES PATENT OFFICE.

LORENZO MARTIN ROBBINS, OF ELIZABETH, ARKANSAS.

## SPOOL-CABINET.

SPECIFICATION forming part of Letters Patent No. 464,230, dated December 1, 1891.

Application filed July 15, 1891. Serial No. 399,633. (No model.)

*To all whom it may concern:*

Be it known that I, LORENZO MARTIN ROBBINS, a citizen of the United States, residing at Elizabeth, in the county of Fulton and State of Arkansas, have invented certain new and useful Improvements in Spool-Cabinets; 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.

This invention relates to certain new and useful improvements in that class of cabinets or cases which are used for storing spools of threads and other like articles; and it has for its object to provide a cabinet the several compartments of which are so arranged as to adapt them to receive a large number of spools, each of the compartments communicating with an independent delivery-chamber, each chamber being provided with mechanism whereby one or more spools or other article within the compartment with which the chamber communicates may be easily and quickly removed without disturbing the other articles within the compartment.

A further object of the invention is to provide means whereby the space which may be left vacant within the delivery-chamber by the removal of an article therefrom will be automatically supplied from the compartment with which the delivery-chamber communicates.

To these ends and to such others as the invention may pertain the same consists in the peculiar construction and in the novel combination, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, like letters of reference indicating like parts throughout the several views, and in which drawings—

Figure 1 is an end view of a spool-cabinet constructed in accordance with my invention. Fig. 2 is a transverse vertical section of the

same. Fig. 3 is a top plan view of one of the compartments, showing the delivery-chamber connected therewith.

Reference now being had to the details of the drawings by letter, A represents the cabinet, which may be of any suitable size and may be constructed of either wood or metal and ornamented as the taste of the maker may dictate.

The case or cabinet is divided into a series of compartments B B, having inclined bottoms C and provided with doors or covers D, through which the compartments may be filled. In the present instance I have shown the cabinet as provided with two sets or series of these compartments, the compartments in each series being arranged one above the other and the compartments in both series having bottoms which are inclined downward and in the direction of the transverse center of the cabinet. At their lower edges the inclined bottoms C communicate directly with the delivery-chambers E, said delivery-chambers consisting simply of troughs open at their upper sides and of a width and depth which will adapt them to receive spools of the size which are placed within the respective compartment with which they communicate. Secured to the upper faces of the bottoms C are strips C', which extend transversely across the bottom, the distance between the strips being slightly greater than the length of the spools. Each of the delivery-chambers registers at one end of the chamber with an opening F in the front wall of the cabinet. Directly above each of the delivery-chambers is a wire or rod G, which is square, the ends of said wire being secured to the inner walls of the cabinet, and immediately below the said wire is placed a rod H, which is passed through an opening formed for the purpose in the front wall of the cabinet, as shown. This rod is suspended from the wire G by means of sleeves I, which are square and which are secured to the rod H and adapted to be moved freely upon the wire G. At its inner end the rod H is provided with an arm H', which is bent at right angles to the body of the rod, and at its extreme outer end it is provided with a metallic disk or tag J, upon which is indicated the size of the spools or the number of the thread contained in the particular



chamber with which the said rod communicates.

In the lower portion of the cabinet beneath the spool-compartments I have provided a series of drawers K, which may be used for storing needles, pins, or other articles kept in stock.

The operation of the device is simple and will be readily understood. The storage-compartments within the cabinet are filled with spools of thread, the different sizes being placed in their proper compartments. When it is desired to remove a spool from any one of the delivery-chambers, it may be done by grasping the tag J, upon which is indicated the number of the thread desired. A slight pull will serve to withdraw the rod to which the tag is attached, thus drawing the row of spools within the delivery-chamber in the direction of the opening F, through which the spool at the end of the chamber will be delivered. It will be readily seen that the space within the delivery-chamber, which is left vacant by the removal of the spool, will be at once filled by a spool from the compartment above, which will drop into the delivery-chamber from the compartment. The strips which are secured to the inclined bottom of the said compartment will serve to insure the guiding of the spools, as will be readily understood. After the spool or spools desired have been removed the rod H is turned so as

to prevent the hook upon its inner end from engaging the spools in the chamber, and the rod is then pushed back into the cabinet, where it will be in readiness for use when it is again proposed to withdraw the spools from the delivery-chamber.

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

In a spool-cabinet, a storage-compartment having an inclined bottom, a delivery-chamber communicating with the storage-chamber beneath the lower edge of the inclined bottom of the storage-chamber and provided with an outlet at the end of the chamber, a fixed rod G, a rod H, arranged above the delivery-chamber, the sleeves connecting said rods and slidable on the rod G and having the rod H rotatably suspended therefrom, said rod being provided at its inner end with an arm or hook and at its outer end with a tag or disk bearing the number of the thread or other mark to indicate the contents of the compartment, substantially as and for the purpose described.

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

LORENZO MARTIN ROBBINS.

Witnesses:

WM. R. HINER,  
E. E. COLE.