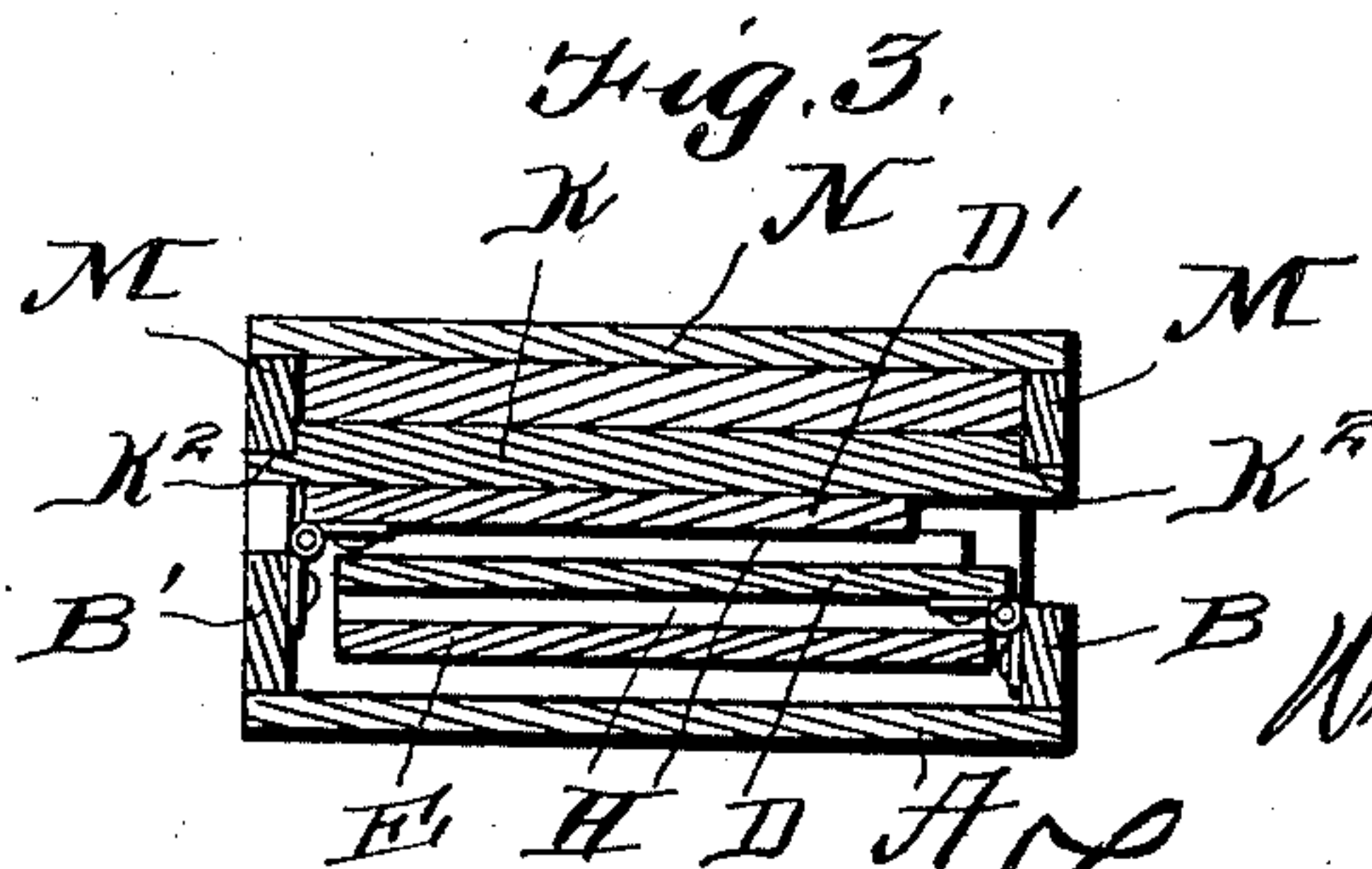
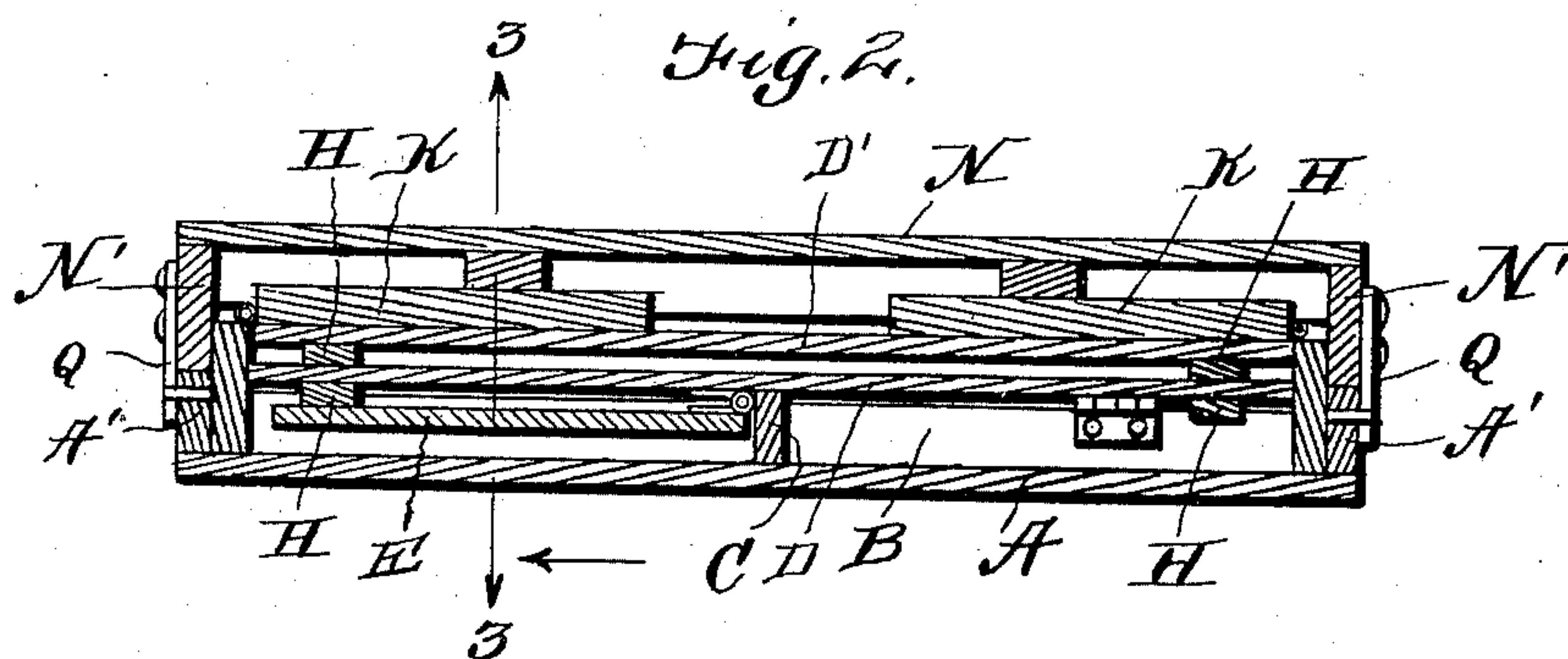
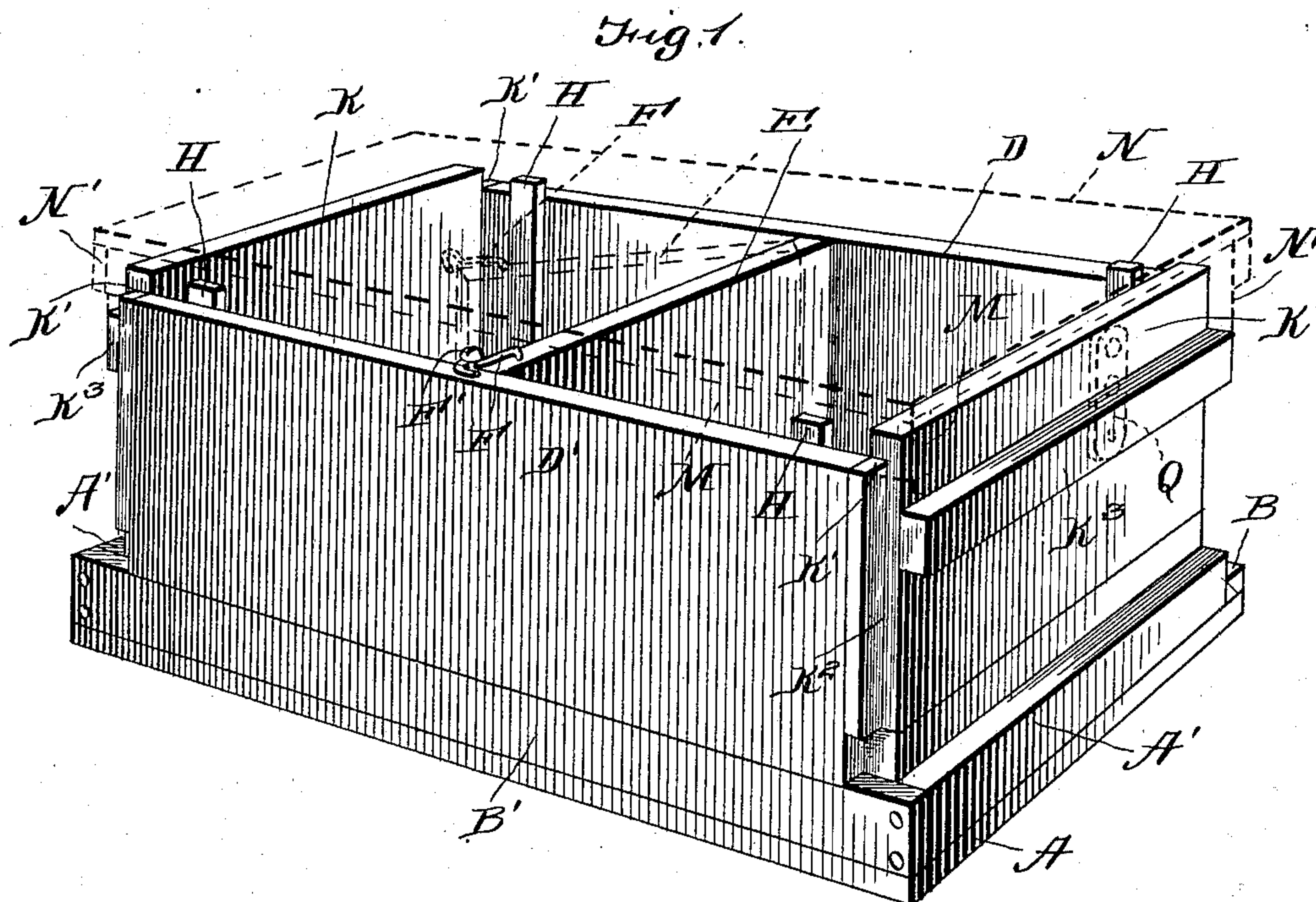


No. 756,890.

PATENTED APR. 12, 1904.

W. POND.
FOLDING CRATE.
APPLICATION FILED JAN. 13, 1904.

NO MODEL.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM POND, OF LIBERTY, ILLINOIS.

FOLDING CRATE.

SPECIFICATION forming part of Letters Patent No. 756,890, dated April 12, 1904.

Application filed January 13, 1904. Serial No. 188,875. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM POND, a citizen of the United States, residing at Liberty, in the county of Adams and State of Illinois, have invented certain new and useful Improvements in Folding Crates; 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 new and useful improvements in folding boxes or crates; and the object of the invention is to produce a device of this character which will be simple in construction and so arranged as to be folded into a small compact space.

The invention consists in various details of construction and arrangements of parts, which will be hereinafter fully described, and then specifically defined in the appended claims.

I illustrate my invention in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings similar letters of reference indicate like parts in the views, in which—

Figure 1 is a perspective view of my folding box opened up, showing the cover in dotted lines. Fig. 2 is a sectional view through the folded box. Fig. 3 is a sectional view through the box folded on line 3 3 of Fig. 2.

Reference now being had to the details of the drawings by letter, A designates the bottom of the box, having flanges A' at the ends thereof which are somewhat wider than the flanges B and B', which latter also are of different widths, and centrally connecting the two flanges B and B' is a low partition or flange C, which is of a width equal to the width of the flange B.

D and D' designate the two side doors of the box, the former being hinged to the flange B, while the latter is hinged to the flange B'. The side D has hinged centrally thereto a partition E, which, together with the central partition C, is of a width equal to the combined width

of the flange B and the side D and also of a width equal to the combined width of the flange B' and D', so that when the partition E is turned at right angles with the hinged side D it divides the box into two compartments of equal size, and the upper edges of the sides and central partition are flush with one another. A hook F is swiveled upon the free swinging edge of the partition E and adapted to engage a lug F' on the upper edge of the side D'.

Upon the inner face of each swinging door D and D' adjacent to its end are the strips H, the lower ends of which are flush with the lower hinged portions of the sides, and their outer faces project beyond the free edges of the swinging sides D and D'. Each end piece K of the box is notched upon its outer longitudinal edges, as at K', and has a contracted portion K² running its entire width, the lower portions of said notches when the box is opened up being flush with the free edges of the sides D and D'. The top N has two flanges N' at right angles thereof and flanges M along the longitudinal edges of the top. The flanges N' are adapted to rest against the cleats K² on the outer faces of the end pieces of the box, as shown in the drawings, and when thus adjusted the edges of the flanges M will rest upon the shoulders or bottom portions of the notches in the end pieces and also upon the free longitudinal edges of the sides D and D'.

When it is desired to fold the box, the hook F is released from the lug F', the partition E is swung back against the inner face of the side D, and the latter is folded down, so that its inner face will rest upon the upper edge of the central partition C, after which the opposite side D' is folded over upon the outer face of the side D and the two end pieces are folded down flat against the outer face of the side D'. When the parts have been thus folded, the top, which has spring-fasteners Q upon the outer faces of the end flanges, is placed over the end flanges A' and rests upon the upper edges of the flanges A' at the ends of the bottom of the box and the longitudinal flanges M of the top will rest upon the contracted portions of the ends of the box.

It will thus be seen that the box may be folded into a compact form convenient for transportation.

While I have shown a particular detailed construction of crate embodying my invention, it will be understood that I may make changes, if desired, in the detailed construction of the same without in any way departing from the spirit of the invention.

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

1. A folding box comprising a bottom with longitudinal flanges or projections of different widths, a fixed partition intermediate said flanges midway the length of the bottom, hinged sides mounted upon said flanges, a hinged partition mounted upon the inner face of one of said sides and adapted to swing over said fixed partition, cleats secured to the inner faces of said hinged sides and projecting beyond the outer longitudinal edges thereof, hinged ends to said box having their opposite edges recessed at the free ends thereof, cleats fastened to the outer faces of said hinged ends, and a flanged cover adapted to rest upon said cleats upon the ends of the box and in the re-

cessed portions on the edges of said hinged ends, as set forth.

2. A folding box comprising a bottom with longitudinal flanges or projections of different widths, a fixed partition intermediate said flanges midway the length of the bottom, hinged sides mounted upon said flanges, a hinged partition mounted upon the inner face of one of said sides and adapted to fold with its inner edge adjacent to said fixed partition, hinged ends to the box which are mounted upon flanges projecting beyond the longitudinal flanges of the bottom, the opposite edges of said ends being shouldered as at K² with their ends recessed adjacent to the free swinging ends of the box, cleats upon the outer faces of said ends, a cover having flanges which are adapted to rest upon said cleats, and fastening means for holding the top to the bottom and holding the parts as folded together, as set forth.

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

WILLIAM POND.

Witnesses:

W. H. BRECKENRIDGE,

G. W. HUNSAKER.