

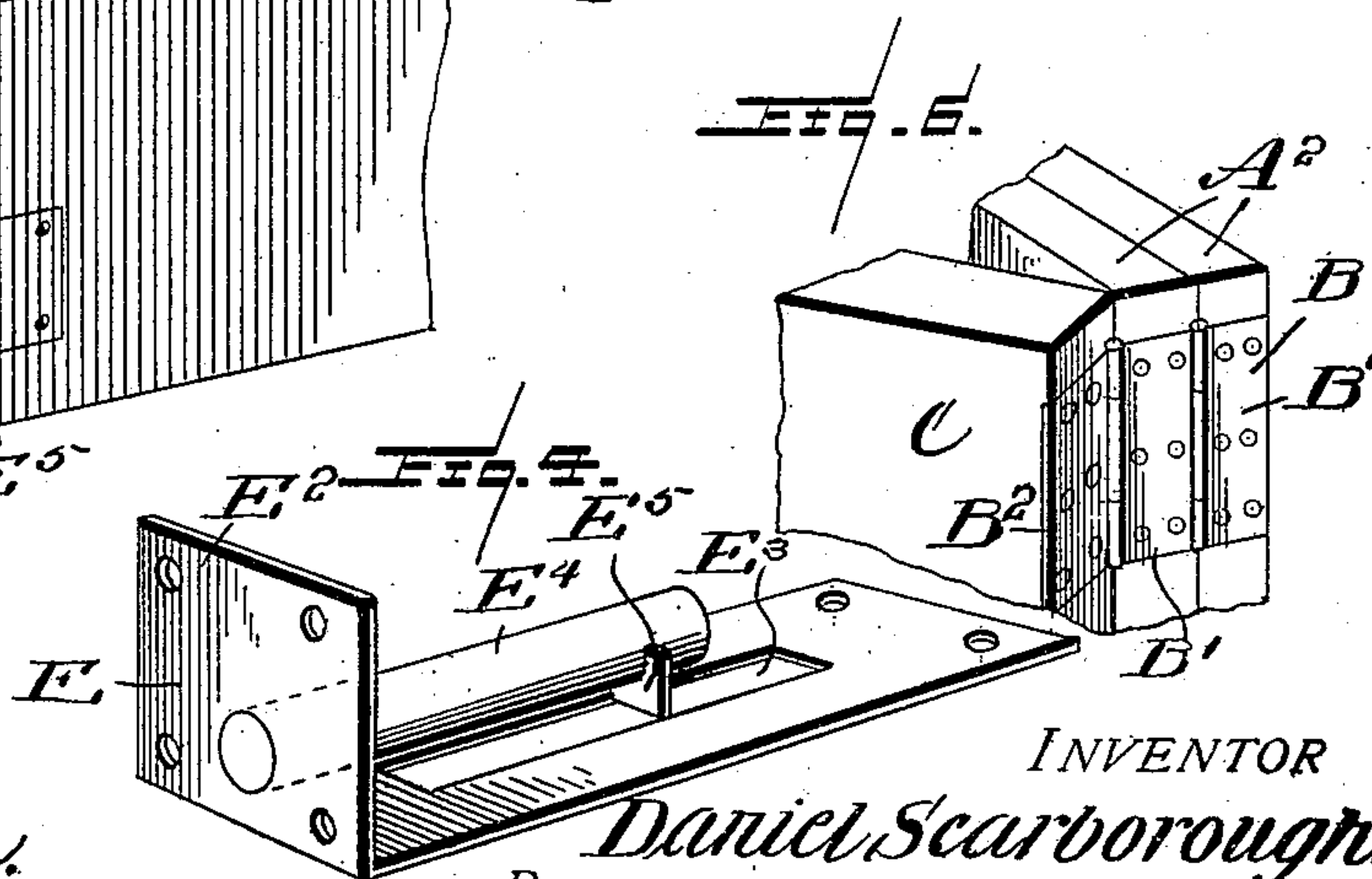
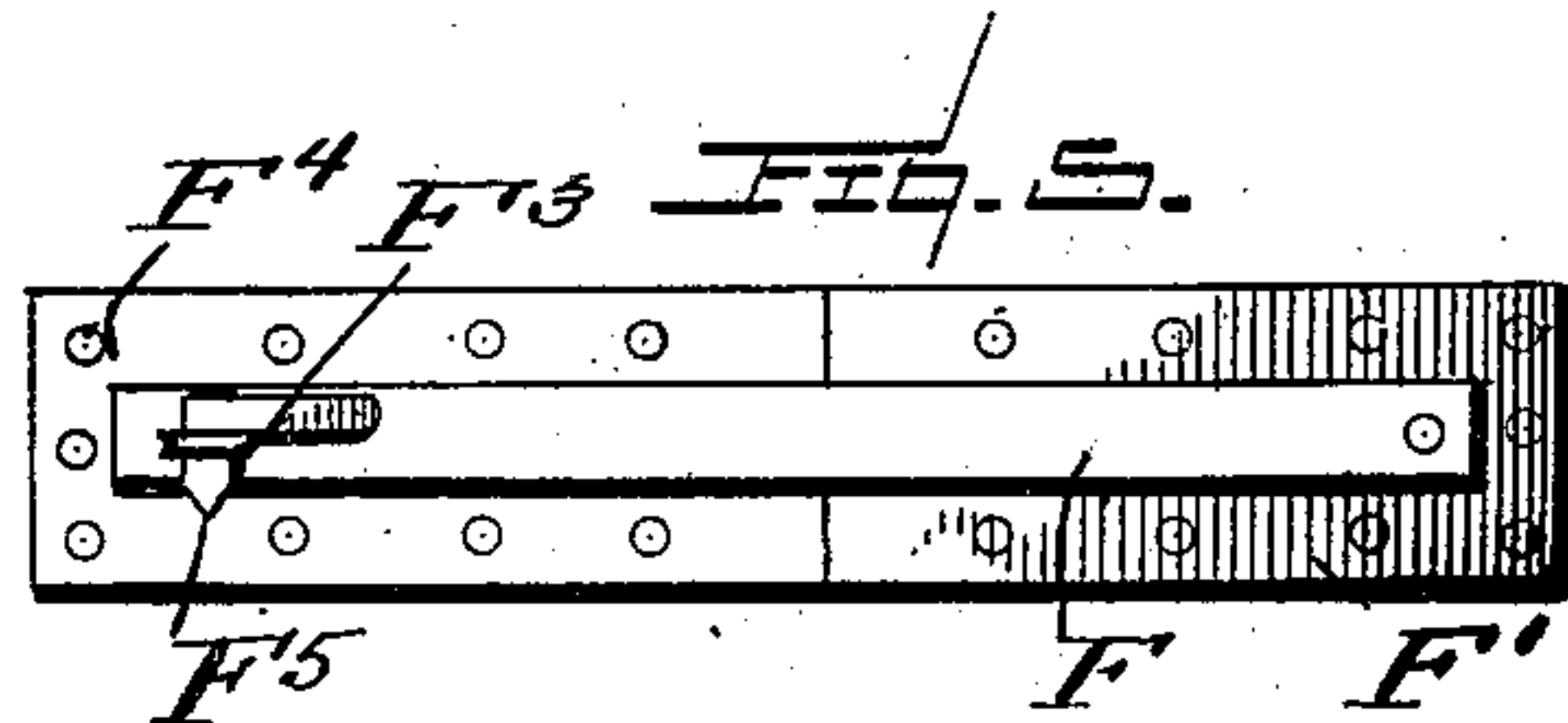
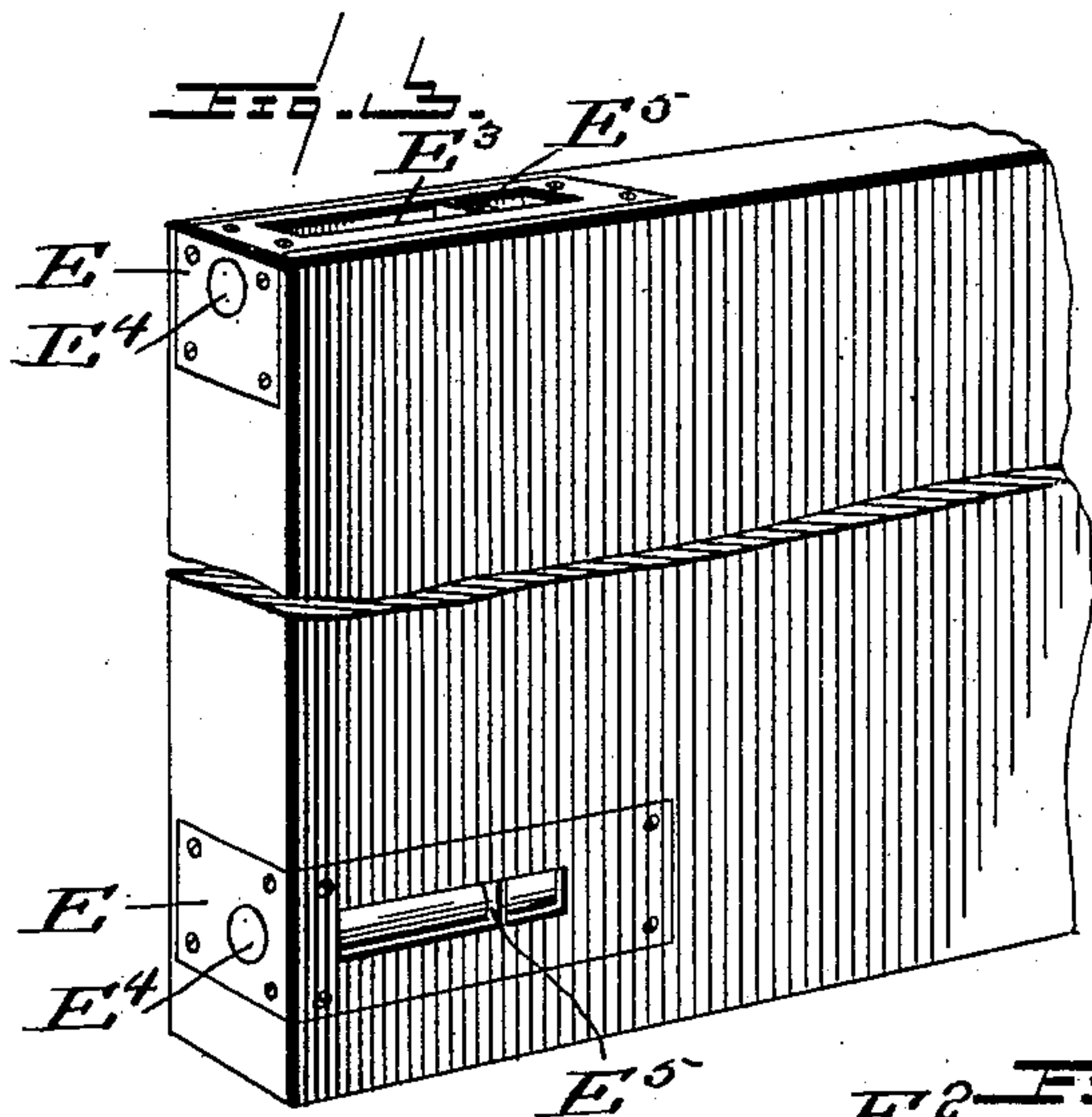
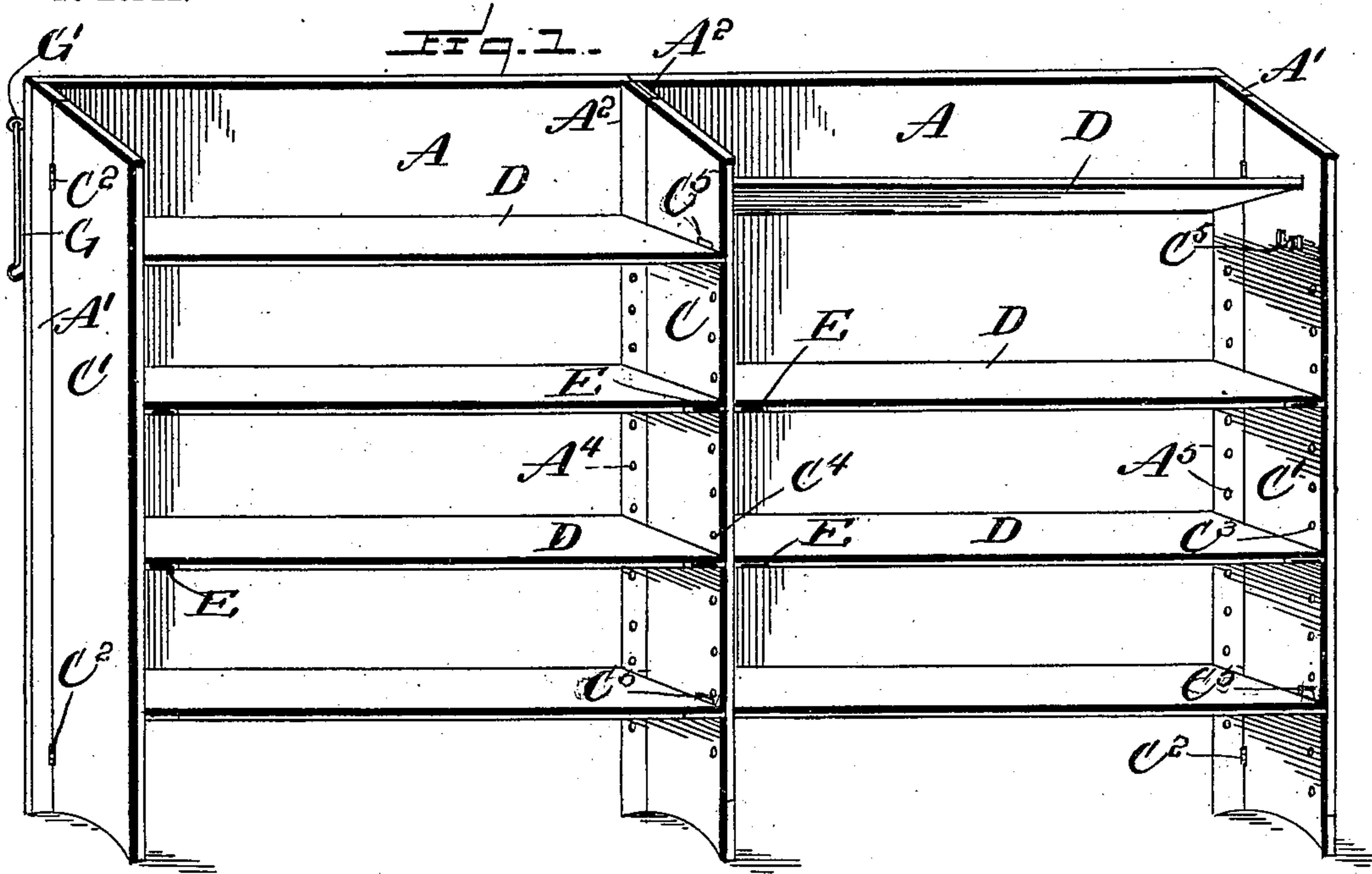
No. 722,760.

PATENTED MAR. 17, 1903.

D. SCARBOROUGH.
FOLDING BOOKCASE.
APPLICATION FILED DEC. 5, 1902.

NO MODEL.

2 SHEETS—SHEET 1.



WITNESSES:

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UNITED STATES PATENT OFFICE

DANIEL SCARBOROUGH, OF MERIDIAN, MISSISSIPPI.

FOLDING BOOKCASE.

SPECIFICATION forming part of Letters Patent No. 722,760, dated March 17, 1903.

Application filed December 5, 1902. Serial No. 134,010. (No model.)

To all whom it may concern:

Be it known that I, DANIEL SCARBOROUGH, a citizen of the United States, residing at Meridian, in the county of Lauderdale, State of Mississippi, have invented certain new and useful Improvements in Folding Bookcases, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to folding bookcases, and particularly to a structure wherein the sections are adapted to fold upon each other, and thus thoroughly protect the parts for transportation.

15 The invention has for an object to provide an improved construction of parts wherein the shelves may be pivoted at their rear to fold against the back and the sides of the case folded upon the shelves, so that when
20 the two sections of the back are folded upon each other all of the parts of the case are completely inclosed and protected against injury.

A further object of the invention is to provide improved means for adjustably securing
25 the shelves at different distances apart and for holding the end sections of the case against movement relative to the shelves.

Other and further objects and advantages of the invention will be hereinafter set forth
30 and the novel features thereof defined by the appended claims.

In the drawings, Figure 1 is a perspective of the case open for use; Fig. 2, a similar detail view of the case folded for transportation; 35 Fig. 3, a detail perspective of one end of one of the shelves; Fig. 4, a similar view of one of the securing and pivoting bolts shown in Fig. 3; Fig. 5, a detail elevation of the latch extending across the joint between the back
40 sections of the case; Fig. 6, a detail perspective of the hinge for these back sections and the central partition when opened; Fig. 7, a similar view of one end of a shelf having the securing means thereon for holding the end
45 sections against movement; Fig. 8, a detail perspective of the hinge between the back sections and partition, showing its position when folded as in Fig. 2, the sections being indicated by dotted lines; Fig. 9, a similar
50 view of the pintle and its socket at the rear of the shelf shown in Fig. 7, and Fig. 10 a similar view of the locking-lug at the front

of the shelf shown in Fig. 7 with its receiving-socket.

Like letters of reference refer to like parts 55 in the several figures of the drawings.

The letter A designates the back sections of a bookcase, two or more of which may be used, as found most desirable, and they may be of any desired size or configuration. These 60 sections are provided at each end with a fixed end strip A', extending at right angles thereto, and at their meeting edges with corresponding strips A², the latter of which are pivoted together by means of a main strap- 65 hinge and the double butt-hinge B, (shown by detail in Figs. 6 and 8,) said double hinge being provided with leaves B' to be secured to the free end of each of the strips A², and at the edge of one of the leaves an enlarged 70 leaf B² is pivoted and adapted to be secured to the central partition-board C. At the opposite end strips A' and boards C² are pivotally secured by any desired form of hinge, as shown at C², while each thereof is provided 75 with apertures C³ in alinement with similar apertures C⁴ in the partition C to receive the holding means for the shelves D and permit the adjustment of these shelves at relative distances apart. For the purpose of preventing 80 any movement of the end boards C' relative to the ends of the shelves a socket C⁵, as shown in Fig. 10, is secured thereto opposite the end of one or more of the shelves, and the shelf in alinement with said socket is provided with 85 a lug C⁶, carried by a plate C⁷, secured upon the end of the shelf, adapted to engage the socket. The lug may be of any desired construction, but is preferably of the T-head shown, adapted to engage behind the flanges 90 C⁸ of the socket. When this securing-lug is used at the forward end of the shelf, a sliding bolt E is located at the rear end thereof. This bolt engages one of the sockets A⁵ in the end strips A' or one of the recesses A⁴ in the 95 strips A², as shown in Fig. 9. The opposite end of the shelf is provided with a similar lug C⁶ at its forward edge and a similar bolt E at its rear, adapted to engage one of the series of apertures A⁴, provided in the strips 100 A², or a similar aperture A⁵, provided in the strips A'. These lugs and sockets are preferably used at the forward ends of the top and bottom shelves, the remaining shelves

being provided at both ends with bolts E to enter apertures A⁴ and A⁵ in the strips and apertures C³ and C⁴ in the ends and partition, respectively.

5 I have illustrated in Fig. 4 a preferred form of bolt comprising an angular plate E², having a slot E³ in one arm thereof, and a bolt E⁴, passing through the end of the plate and provided with a finger-piece E⁵ for operating
10 the same.

For the purpose of securing the end sections A² of the case in alinement with each other when opened, as in Fig. 1, a latch or hasp F is provided, which is pivoted at one
15 end upon the strap F' of a main hinge F⁶ and provided at its free end with a slot F², adapted to pass over a staple F³, carried by the opposite strap F⁴, said hasp being provided with a pivoted finger F⁵, adapted to extend through
20 the staple and secure the parts in alinement with each other, as shown in Fig. 5. The main hinge F⁶ securely holds the sections of the case and braces the strips A².

For the purpose of securing the free ends
25 of the case together when folded a hook G of any desired form may be pivoted to one section of the back, as shown at G', and adapted to engage an eye G², secured to the opposite section, as shown in Fig. 2.

30 It may be stated that the fastening-lugs for the end sections need only be applied to one or two of the shelves, and the remaining shelves may be provided with the sliding bolts E at both the front and rear of each end, so
35 that they are readily detachable for adjustment when desired.

When the case is open, as shown in Fig. 1, it provides a maximum capacity for books and is of a light and rigid construction.
40 When it is desired to fold the case, the shelves D are folded against the back by lifting the forward end of the shelf, as shown at the right of Fig. 1, which releases the end board, and when all of the shelves have been folded
45 against the back the end and partition boards are folded inward upon the shelves. The latch or hasp between the sections of the back will be disconnected and these sections folded upon each other, as shown in Fig. 2,
50 when they may be secured together by the hook G, thus storing the parts of the shelves within a very small space, permitting the same to be readily transported, yet retaining them in their proper relative position for use
55 as soon as the case is opened. It will thus be seen that the invention presents a very convenient bookcase, which may be crated within itself for transportation and is particularly adapted for the needs of professional
60 men, such as ministers, who are frequently obliged to change their place of residence and need at all times a convenient case for receiving reference and other books comprising their library. It will be observed that
65 the construction of the connection between the shelves and end boards holds the latter against movement relative to the shelves,

while the double hinge used in the center of the case permits the folding of the partition C and effectually conceals the parts of the
70 hinge when the case is in use.

It will be obvious that changes may be made in the details of construction and configuration without departing from the spirit of the invention as defined by the appended
75 claims.

Having described my invention and set forth its merits, what I claim, and desire to secure by Letters Patent, is—

1. In a folding bookcase, independent back
80 sections provided with lateral strips at their meeting edges pivoted to fold toward each other, end boards pivoted to said sections, and shelves pivoted at their inner edges to each of said sections to fold against said back
85 sections; substantially as specified.

2. In a folding bookcase, independent back sections pivoted to fold toward each other, end boards pivoted to said sections, shelves pivoted at their inner edges to fold against
90 said back sections, and a central partition pivoted to the back sections to fold thereon and provided with means for supporting one end of said shelves; substantially as specified.

3. In a folding bookcase, independent back
95 sections pivoted to fold toward each other, end boards pivoted to said sections, shelves pivoted at their inner edges to fold against said back sections, a central partition pivoted to the back sections to fold thereon and
100 provided with means for supporting one end of said shelves, and a hasp or latch extending from one of the back sections to the other; substantially as specified.

4. In a folding bookcase, independent back
105 sections pivoted to fold toward each other, end boards pivoted to said sections, shelves pivoted at their inner edges to fold against said back sections, a central partition pivoted to the back sections to fold thereon and pro-
110 vided with means for supporting one end of said shelves, a hasp or latch extending from one of the back sections to the other, and a securing-fastening extending between the free ends of said back sections; substantially
115 as specified.

5. In a folding bookcase, a back section provided with end strips at right angles thereto, end boards pivoted to said strips, shelves having pivots to enter said end strips at their
120 inner edges, socket carried by the end boards, and a lug at the outer end of the shelves to engage said socket; substantially as specified.

6. In a folding bookcase, independent back sections provided with lateral strips at their
125 meeting edges pivoted to fold toward each other and having therein shelf-pivoting recesses, end boards pivoted to said strips and provided with shelf-supporting recesses therein, shelves adapted to extend between said
130 end boards, sliding bolts at the opposite ends of the shelves next the back sections to enter said pivoting-recesses, and sliding bolts at the opposite ends of the outer edge of said shelves

to enter the supporting-recesses in the end boards; substantially as specified.

7. In a folding bookcase, independent back sections each having end and meeting strips at its opposite ends, a main pivoting-hinge secured upon the adjacent edges of the meeting strips and provided with straps at each side to brace the meeting strips, a central partition secured to said meeting strips, end boards secured to the strips at the outer ends of the back sections, and shelves disposed between said partition and boards; substantially as specified.

8. In a folding bookcase, independent back sections each having end strips at its opposite ends, a pivoting-hinge secured upon the adjacent edges of the meeting strips and provided with a supplemental leaf at one side thereof, a central partition secured to said supplemental leaf, end boards secured to the strips at the outer ends of the back sections, shelves disposed between said partition and boards, means for pivoting the inner end of said shelves, and means for supporting the outer edge thereof adapted to engage the partition and end boards; substantially as specified.

9. In a folding bookcase, independent back sections each having end strips at its opposite ends, a pivoting-hinge secured upon the adjacent edges of the meeting strips and provided with a supplemental leaf at one side thereof, a central partition secured to said supplemental leaf, end boards secured to the strips at the outer ends of the back sections, shelves disposed between said partition and boards, means for pivoting the inner end of said shelves, means for supporting the outer edge thereof adapted to engage the partition and end boards, a holding-lug upon the end of a shelf next the end board, and a socket carried by said board to receive said lug; substantially as specified.

10. In a folding bookcase, independent back sections each having end strips at its oppo-

site ends, a pivoting-hinge secured upon the adjacent edges of the meeting strips and provided with a supplemental leaf at one side thereof, a central partition secured to said supplemental leaf, end boards secured to the strips at the outer ends of the back sections, shelves disposed between said partition and boards, means for pivoting the inner end of said shelves, means for supporting the outer edge thereof adapted to engage the partition and end boards, a holding-lug upon the end of a shelf next one end board, a socket carried by said board to receive said lug, and a hasp pivoted upon one section and adapted to cross the joint between the sections to engage a fastening upon the other section; substantially as specified.

11. In a folding bookcase, independent back sections each having end strips at its opposite ends, a pivoting-hinge secured upon the adjacent edges of the meeting strips and provided with a supplemental leaf at one side thereof, a central partition secured to said supplemental leaf, end boards secured to the strips at the outer ends of the back sections, shelves disposed between said partition and boards, means for pivoting the inner end of said shelves, means for supporting the outer edge thereof adapted to engage the partition and end boards, a holding-lug upon the end of a shelf next one end board, a socket carried by said board to receive said lug, a hasp pivoted upon one section and adapted to cross the joint between the sections to engage a fastening upon the other section, and a securing-hook extending from the free end of one section to an eye upon the other section; substantially as specified.

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

DANIEL SCARBOROUGH.

Witnesses:

W. W. SIMMONS, Sr.,

J. R. BRADFORD.