

No. 848,705.

PATENTED APR. 2, 1907.

F. W. TOBEY.
KNOCKDOWN SECTIONAL BOOKCASE.

APPLICATION FILED JUNE 27, 1906.

2 SHEETS—SHEET 1.

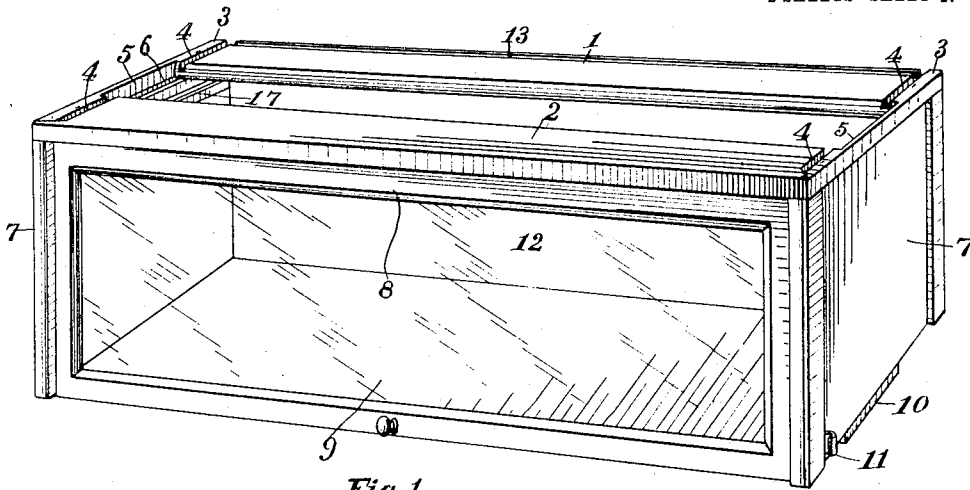


Fig. 1.

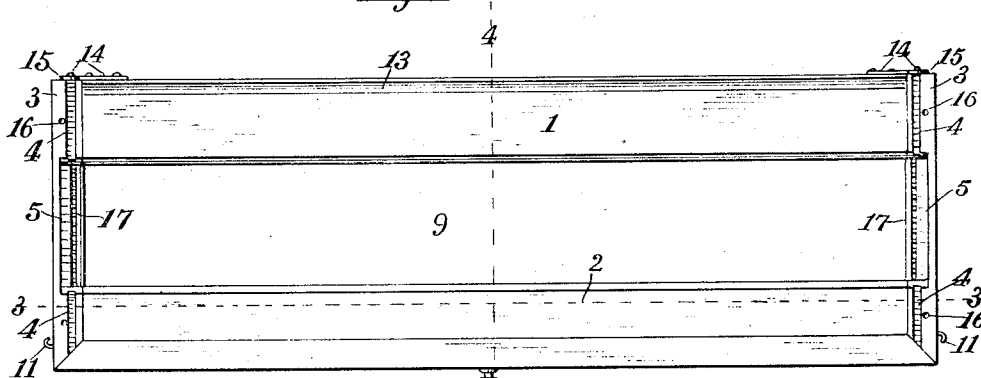


Fig. 2.

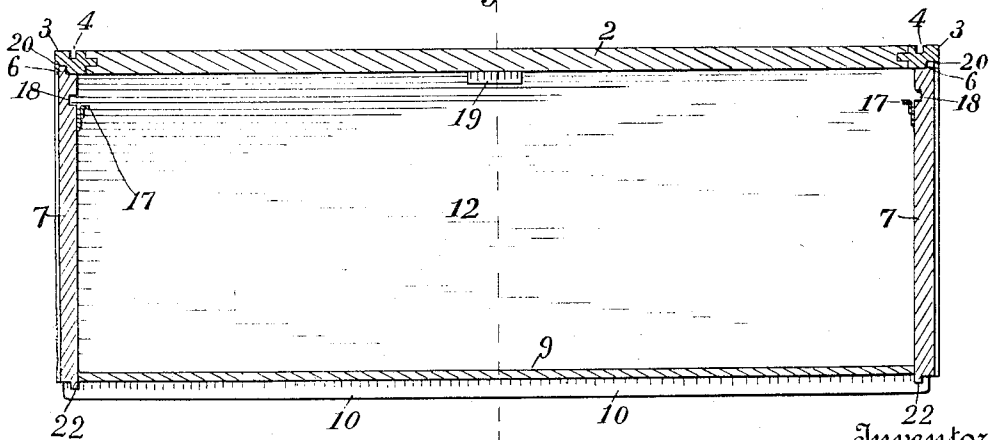


Fig. 3.

Witnesses

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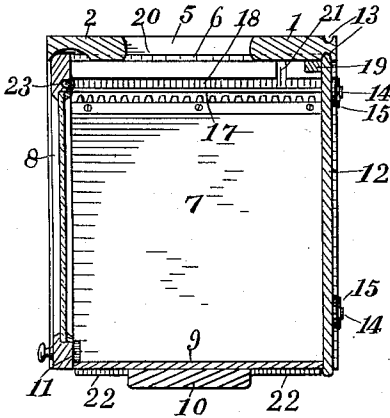


Fig. 4.

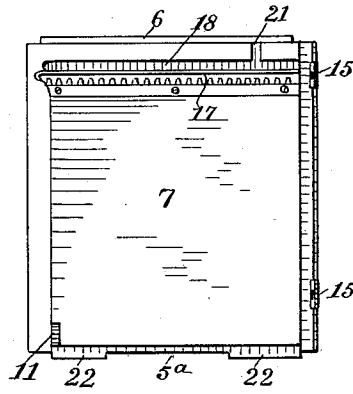


Fig. 5.

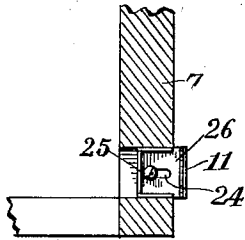


Fig. 8.

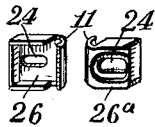


Fig. 9.

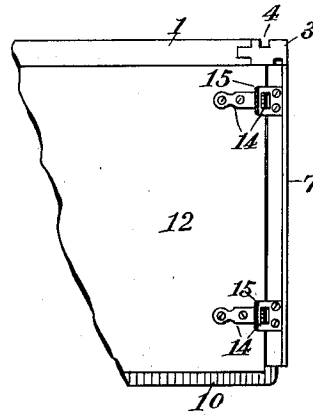


Fig. 6.

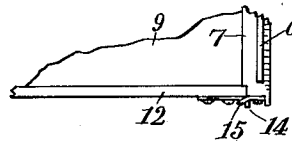


Fig. 7.

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UNITED STATES PATENT OFFICE.

FRED W. TOBEY, OF GRAND RAPIDS, MICHIGAN.

KNOCKDOWN SECTIONAL BOOKCASE.

No. 848,705.

Specification of Letters Patent.

Patented April 2, 1907.

Application filed June 27, 1906. Serial No. 323,713.

To all whom it may concern:

Be it known that I, FRED W. TOBEY, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Knockdown Sectional Bookcases; and I do hereby 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.

My invention relates to improvements in knockdown sectional bookcases; and its object is to provide a structure adapted to be made mainly and substantially of wood, which structure will not warp or spring out of shape, that can be readily assembled and disassembled, and to provide the same with various new and useful features hereinafter more fully described, and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective of one section of a bookcase embodying my invention as it appears when assembled; Fig. 2, a plan view of the same; Fig. 3, a vertical section of the same on the line 3 3 of Fig. 2; Fig. 4, a transverse section on the line 4 4 of Figs. 2 and 3; Fig. 5, an elevation of the inner side of one of the end sections; Fig. 6, a detail in elevation, showing the fastenings connecting the back and ends; Fig. 7, the same in plan view; Fig. 8, a detail showing the coupling-hook in elevation on an enlarged scale, and Fig. 9 a perspective of a pair of coupling-hooks detached.

Like numbers refer to like parts in all of the figures.

The coupling portions of the shelf members consist of the rear member 1 and the front member 2, spaced apart and permanently connected by end strips 3, in which are upper grooves 4 and lower grooves 20. These strips are also provided with recesses 5 opposite the space between the shelf members 1 and 2 to receive the ends of the middle shelf member 10, which latter is secured to a thin bottom plate 9 to receive and support the books. Each end section 7 has an upper tongue 6 to engage the groove 20 and a lower tongue 22, having a middle recess 5^a, which tongue engages the upper groove 4, and the recess 5^a receives the end of the middle member 10. These tongues and grooves serve to maintain alignment of the end sections, and

the recesses 5 and 5^a insure front alinement of the same by engaging the middle member 10.

11 are coupling-hooks slidable in openings in the end sections and retained therein by screws or studs 25, extending through slotted openings 24 in the plate portion 26 of said hooks. The outer ends of the hooks are turned in opposite directions at the respective ends of the case, whereby they interlock and couple adjacent sections to each other. At the exposed end of the case these hooks are slid inward in the recesses, so that they will not project from the case. The back 12 at its upper and lower edges engages grooves 13 in the respective upper and under sides of the member 1 and at each end is detachably secured to the end sections by means of hooks 14, attached to the respective ends of the back, and eyes 15, attached to the end sections.

If for any reason it is found desirable to permanently secure a section in assembled relation, I provide holes 16 in the end strips 3, through which nails or screws may be inserted in the ends of the end sections.

17 represents ways or supports for the front or door 8. 18 is a horizontal groove above said support engaged and traversed by the respective ends of the rod 23, which pivotally supports the front or door and carries the same.

21 is a vertical opening to admit the ends of the rod 23 to the groove 18 when assembling the device.

It will be noted that this structure is made almost wholly of wood, and at the same time the parts are so constructed that the device is not likely to get out of shape and will be easily and readily assembled or taken apart, as occasion requires.

What I claim is—

1. In a knockdown sectional bookcase, front and rear shelf members spaced apart, end strips attached to said members and provided with grooves in their upper and lower sides, a middle shelf member adapted to be placed between the front and rear members, a plate attached to said middle member, and end sections having tongues on their respective ends to enter the said grooves in the end strips.

2. In a knockdown sectional bookcase, front and rear shelf members spaced apart,

end strips attached to said members and provided with grooves and recesses, a middle shelf member between said front and rear members and engaging the recesses, and end sections having tongues to engage the grooves.

3. In a knockdown sectional bookcase, a shelf member having grooves in the upper and lower sides of its ends and grooves in its rear portion, a back engaging the rear grooves, end sections having tongues on their respective ends to engage the said end grooves, and detachable fastenings connecting the ends and back.

4. In a knockdown sectional bookcase, front and rear shelf members spaced apart, the rear member having grooves in its upper and lower sides, end strips attached to said members and having grooves in their upper and lower sides and recesses in their inner sides, a back inserted in the rear grooves, end sections having tongues to engage the grooves in the end strips and a recess in the lower tongue to receive the middle shelf member, a middle shelf member engaging the re-

cesses, and hooks and eyes detachably connecting the end sections and back.

5. In a sectional bookcase, hooks horizontally slidable in recesses in the ends of the sections, and adapted to engage corresponding hooks on adjacent sections, and detachably connect the sections end to end.

6. In a sectional bookcase, a hook having a plate portion provided with a slot, flanges on three sides of the plate portion, a hook on the fourth side of the same, an end section having a recess in which the hook is slidable, and a screw inserted in the slot and case.

7. In a sectional bookcase, a hook having a plate portion provided with a slot, a hook on the outer edge of the plate portion, an end section to the case and having a recess in which the plate is slidable, and a screw inserted in the slot and end section.

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

FRED W. TOBEY.

Witnesses:

PALMER A. JONES,

LUTHER V. MOULTON.