

No. 731,811.

PATENTED JUNE 23, 1903.

H. H. PATTEE.
HINGE.

APPLICATION FILED DEC. 12, 1902.

NO MODEL.

Fig. 1.

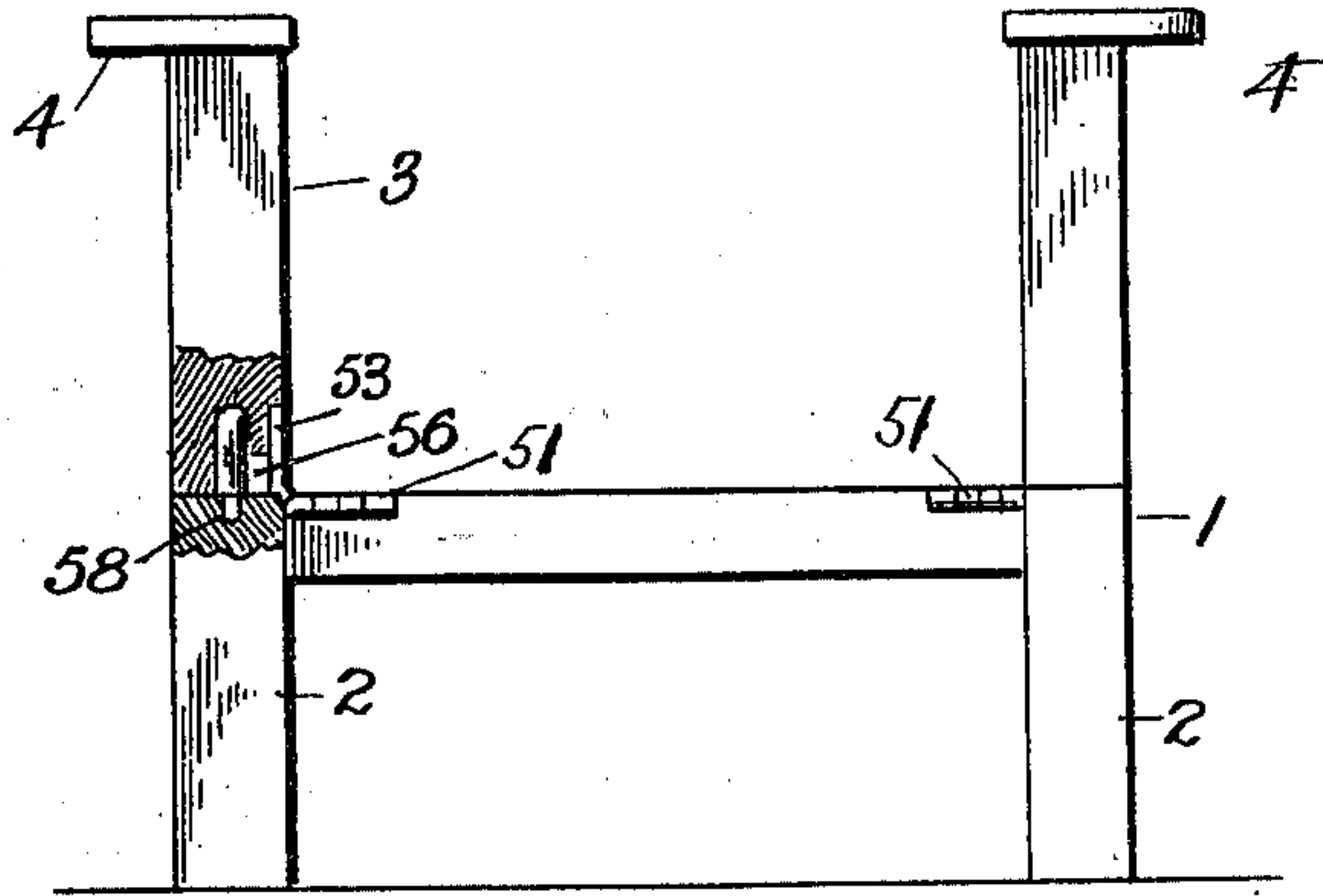


Fig. 3.

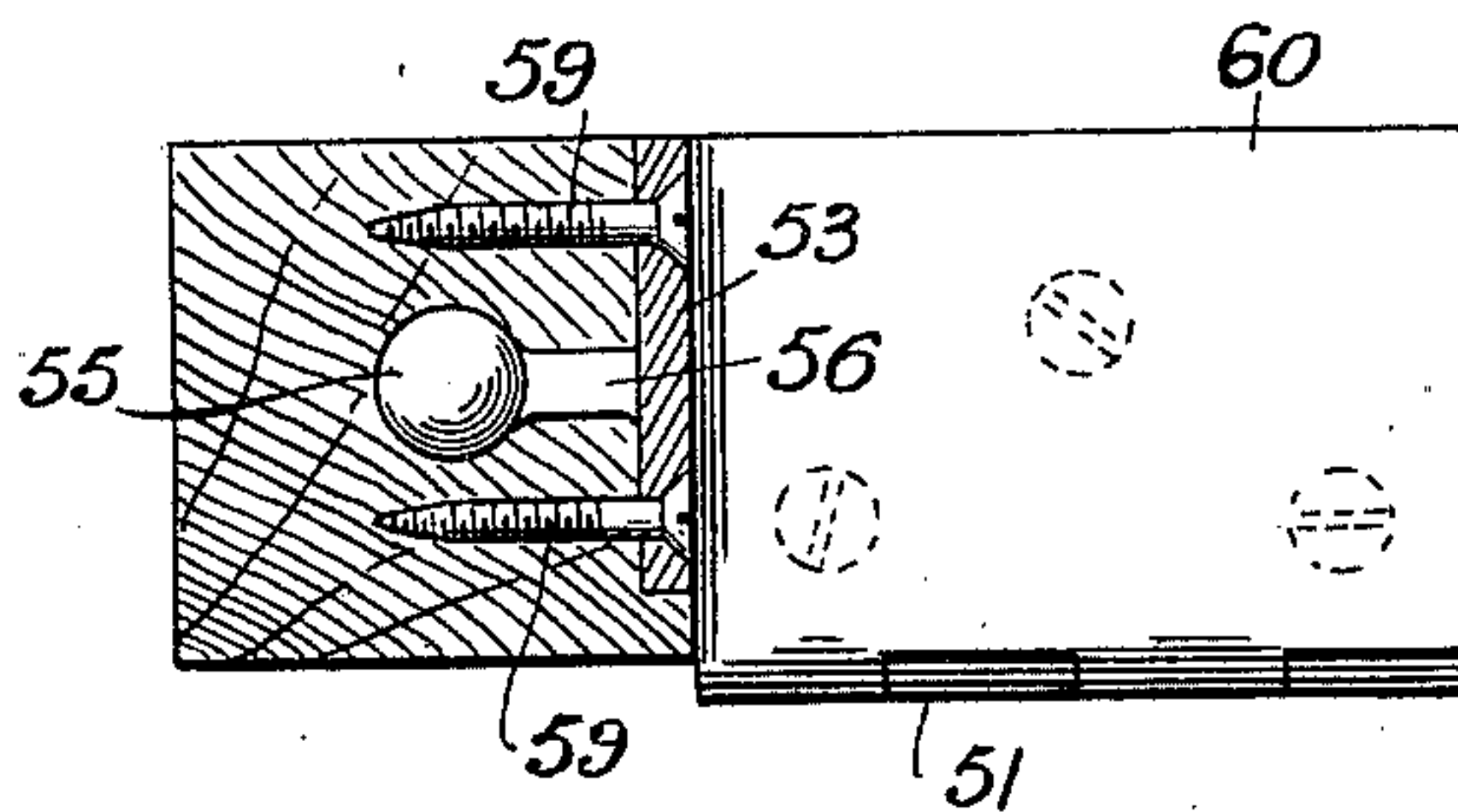
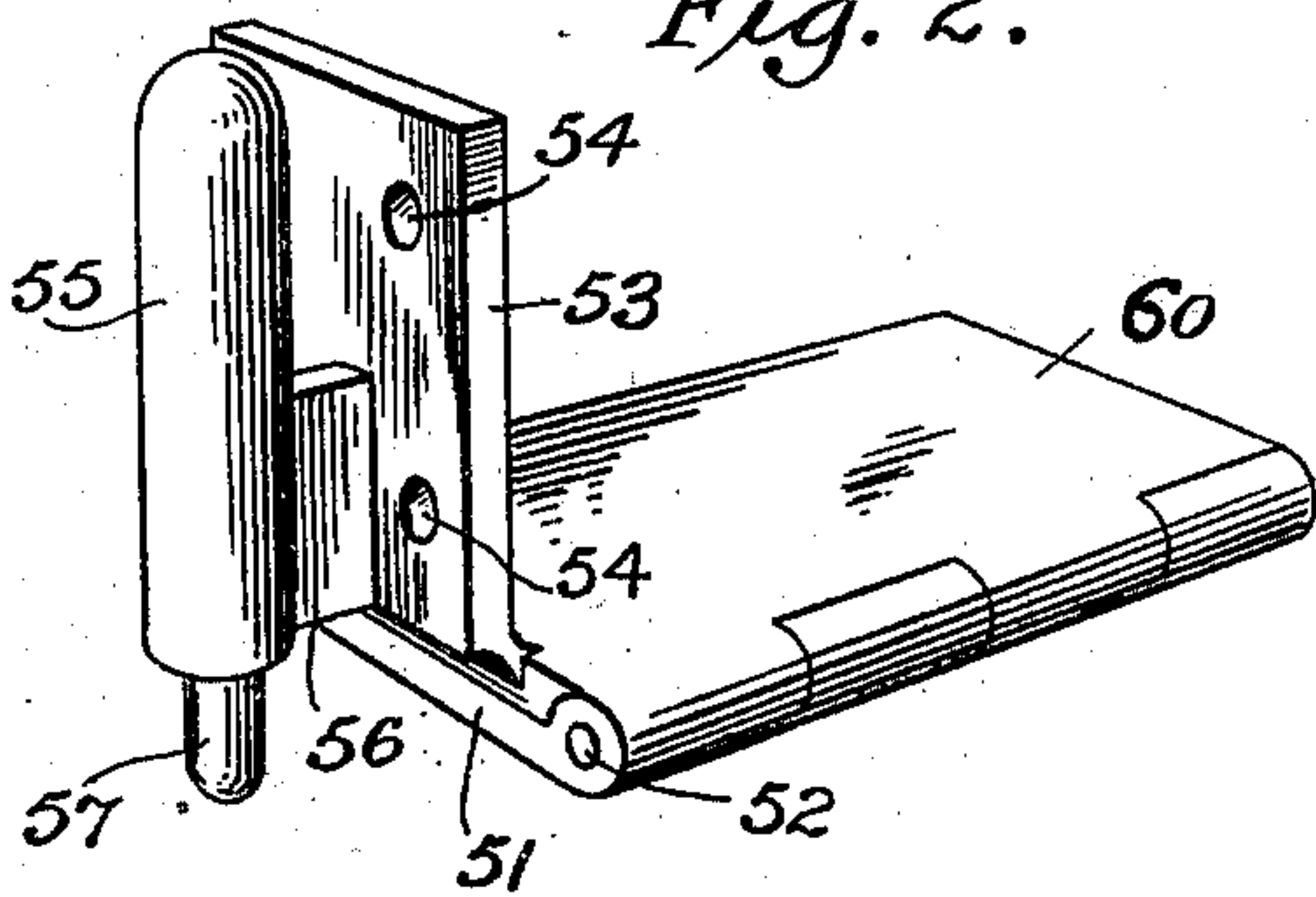


Fig. 2.



WITNESSES:

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HERBERT H. PATTEE, OF NEW YORK, N. Y.

HINGE.

SPECIFICATION forming part of Letters Patent No. 731,811, dated June 23, 1903.

Application filed December 12, 1902. Serial No. 134,907. (No model.)

To all whom it may concern:

Be it known that I, HERBERT H. PATTEE, a citizen of the United States of America, and a resident of the city, county, and State of New York, have invented certain new and useful Improvements in Hinges, of which the following is a specification.

This invention relates to a new and improved hinge which is intended primarily for use with a combined couch and chair of the kind described in my former Letters Patent, No. 629,204, dated July 18, 1899, or of the kind described in my copending application for Letters Patent on a combined couch and chair, filed August 7, 1902, Serial No. 118,763, although it is susceptible of a wide variety of uses. Its object is to enable the foldable parts of a frame to be so hinged together that the hinge may be concealed, the hinging may be more effectual, the seat of the chair may be lower than otherwise with substantially the same construction of frame, and the interhinged portions of the frame may be made much lighter than usual; and the invention therefore consists, essentially, in the construction, arrangement, and combination of parts, substantially as will be hereinafter described and claimed.

In the annexed drawings, Figure 1 is a front view of a chair provided with my improved form of hinge. Fig. 2 is an enlarged perspective view of the same. Fig. 3 is a sectional plan view.

Like numerals of reference denote like parts in all the figures.

In order to show one application of my hinge, I will describe certain parts of a couch-chair to which it is applied. 1 denotes the main portion of this chair, having supporting-legs 2. Hinged to section 1 is the section 3, having arms 4. Section 3 is adapted to be reversed when the chair is made into a couch or to occupy the chair position, in which it appears in Fig. 1.

My novel form of hinge consists of the usual two leaves 60, connected together by a pivot 52. The lower leaf is secured by screws to the front part of chair-section 1. The upper leaf is provided at one end with an integral right-angled plate 53, having screw-holes 54, through which pass screws 59 for the purpose of securing the plate 53 firmly and rigidly to

the front post of the arm-section 3, and as an additional means for fastening the plate 53 immovably said plate has formed integrally therewith a vertical web 56, which is integral with an elongated round post 55, that fits into a socket in the arm-section post contiguous to the plate, said post 55 having on its lower end a pin 57, adapted to enter a hole 58 in the top of the middle section 1, so that when the arm-section is in chair position on top of the middle section the engagement of pins 57 with holes 58 will keep the parts firmly in place and prevent racking and strain. This improved hinge means for uniting the middle portion and the arm-section at the front enables said arm-section to be of a lighter construction than usual, for in this case the front connection between the front posts thereof may be dispensed with, while at the same time the strength of the combination is not impaired, and it enables the seat to be lower than otherwise, for the front connection of the frame is dispensed with.

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

1. A hinge for a foldable couch and chair, consisting of the pivoted leaves, one of which is constructed to be secured to one of the chair-sections and the other of which is provided with an integral angular plate constructed to be secured to another of the chair-sections, said plate having a pin for engaging the first-mentioned section.

2. A hinge for a combined couch and chair, consisting of the pivoted leaves, one of which is constructed to be secured to one of the chair-sections and the other of which is provided with an integral angular plate constructed to be secured to the adjoining chair-section, said plate having an integral post situated in a recess in the said section and provided with a pin adapted to engage the first-mentioned chair-section when the parts are in chair position.

Signed at New York this 31st day of October, 1902.

HERBERT H. PATTEE.

Witnesses:

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