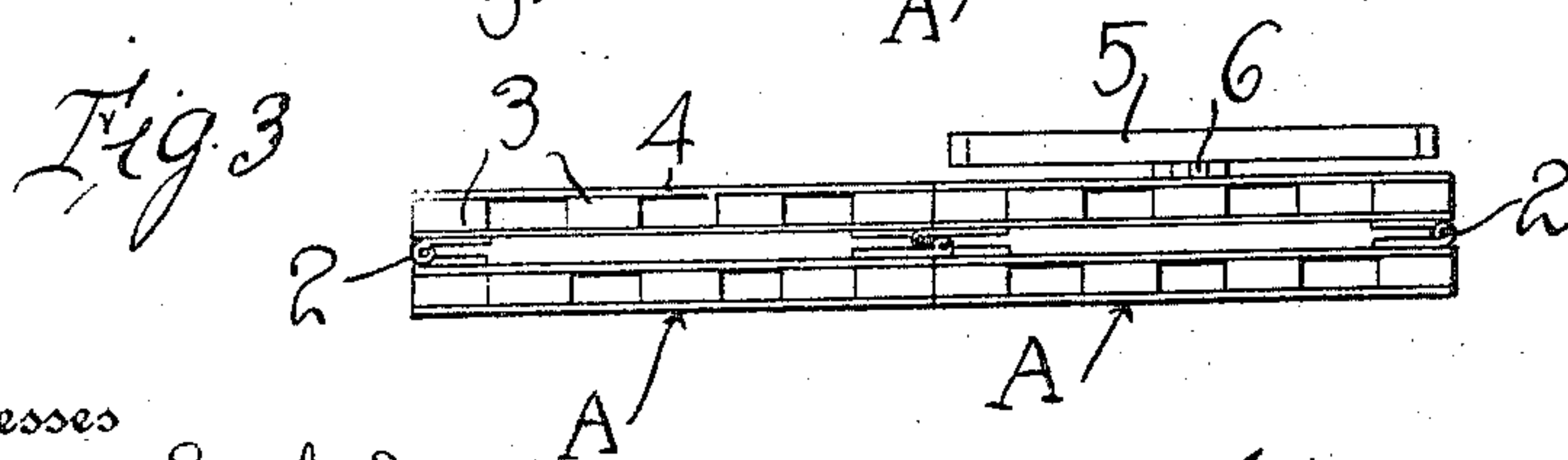
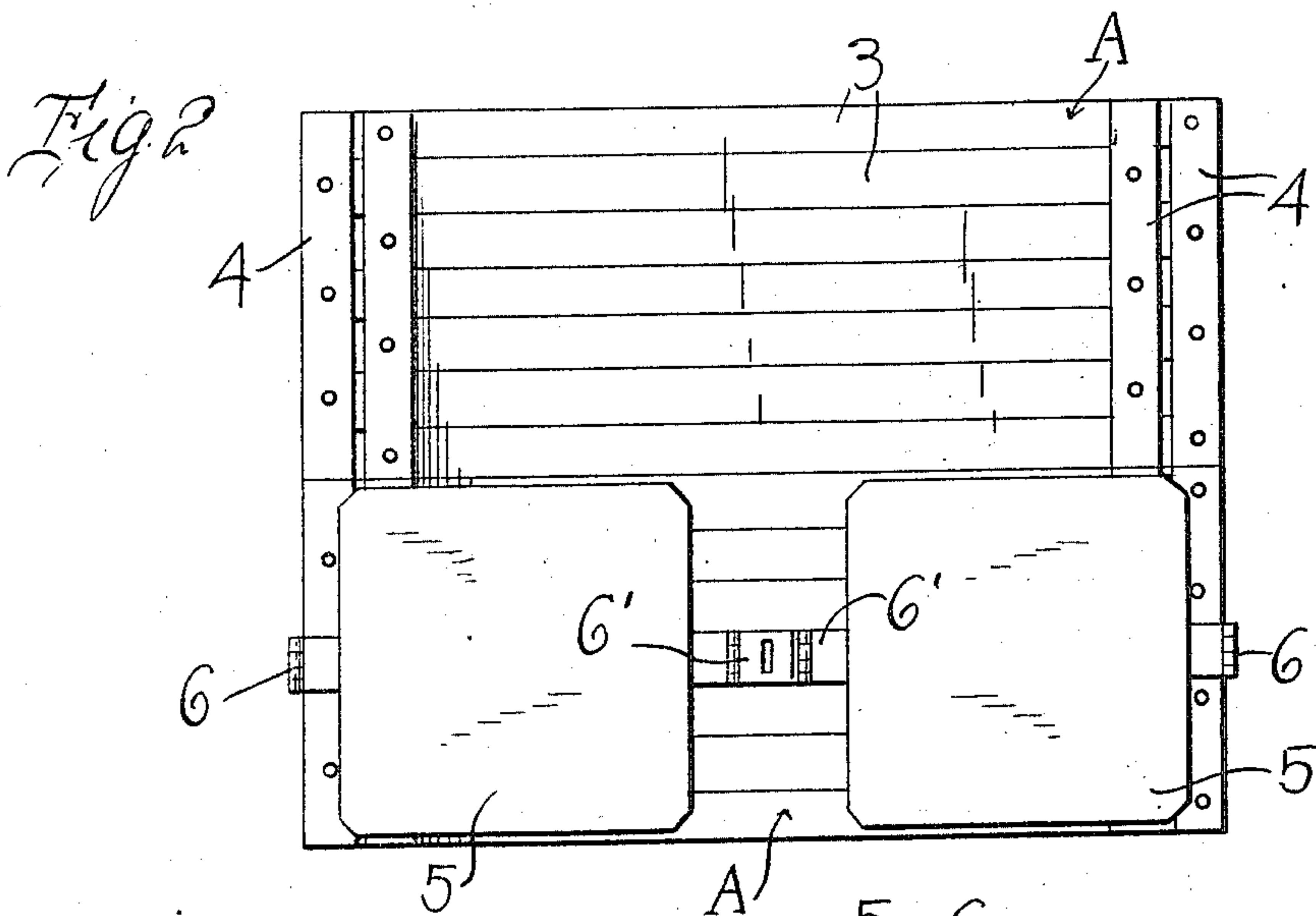
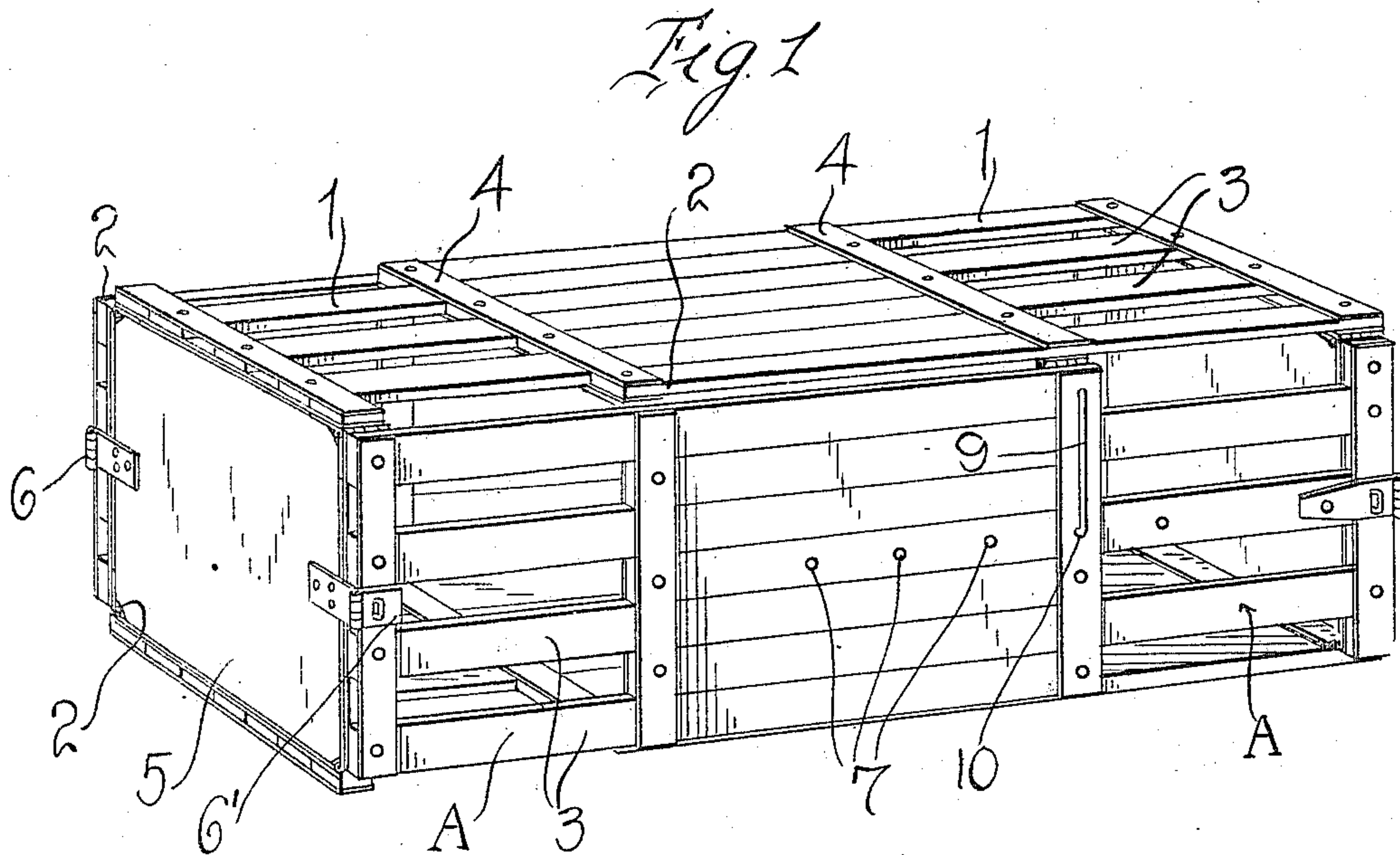


W. J. SCHREINER.  
SHIPPING CRATE.  
APPLICATION FILED FEB. 16, 1915.

1,155,105.

Patented Sept. 28, 1915.  
2 SHEETS—SHEET 1.



Witnesses  
Robert M. Sutphen.  
A. J. Hinch.

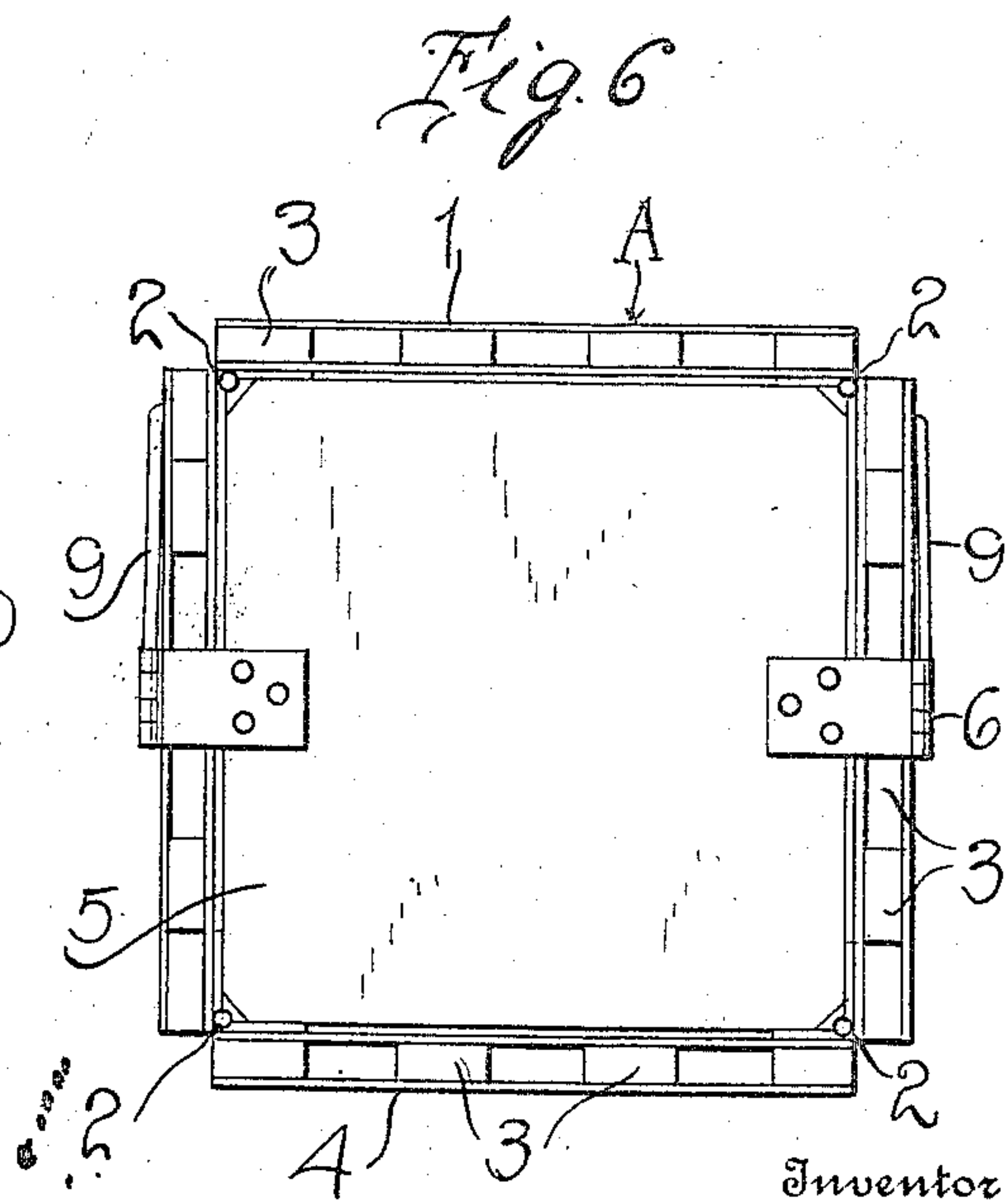
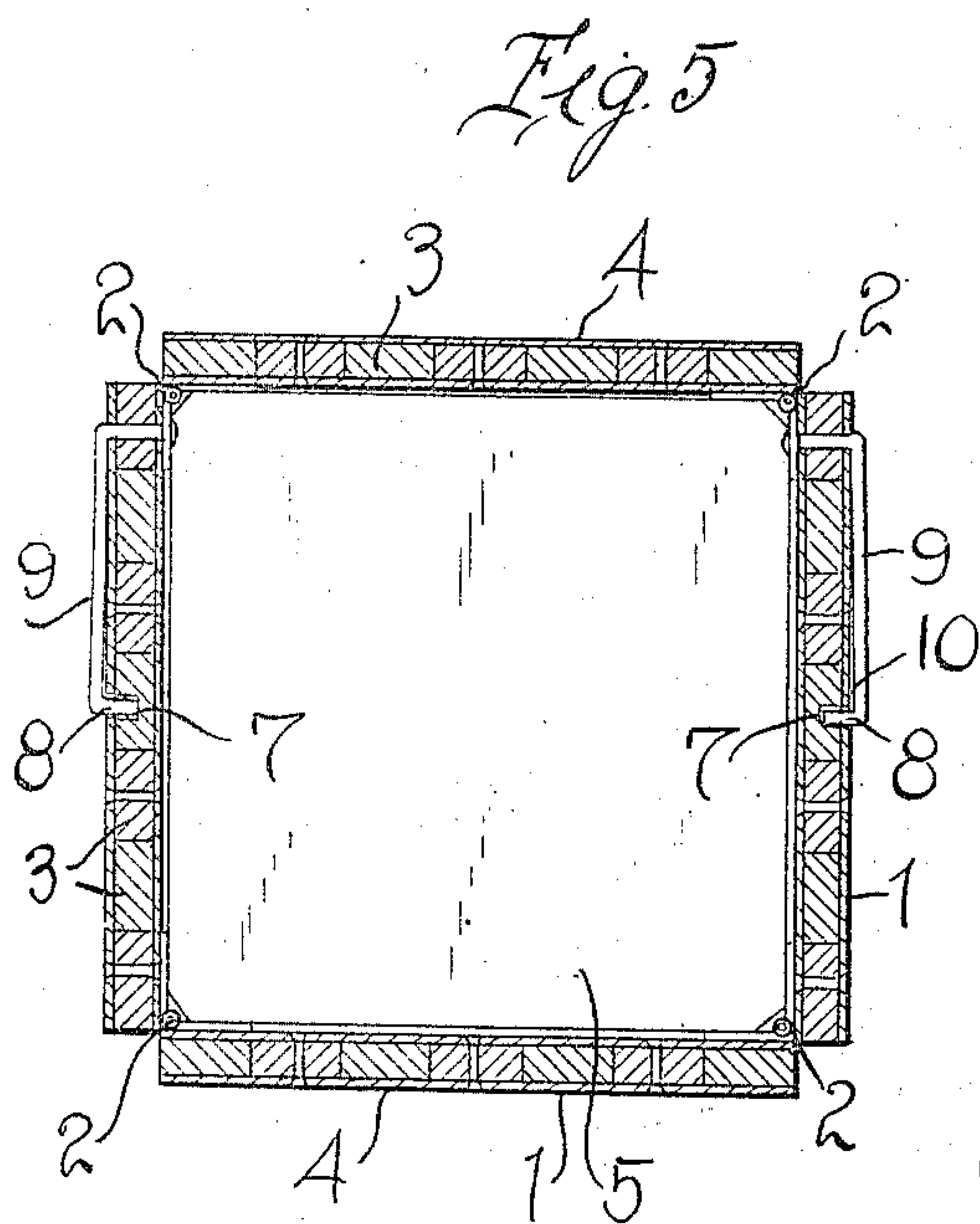
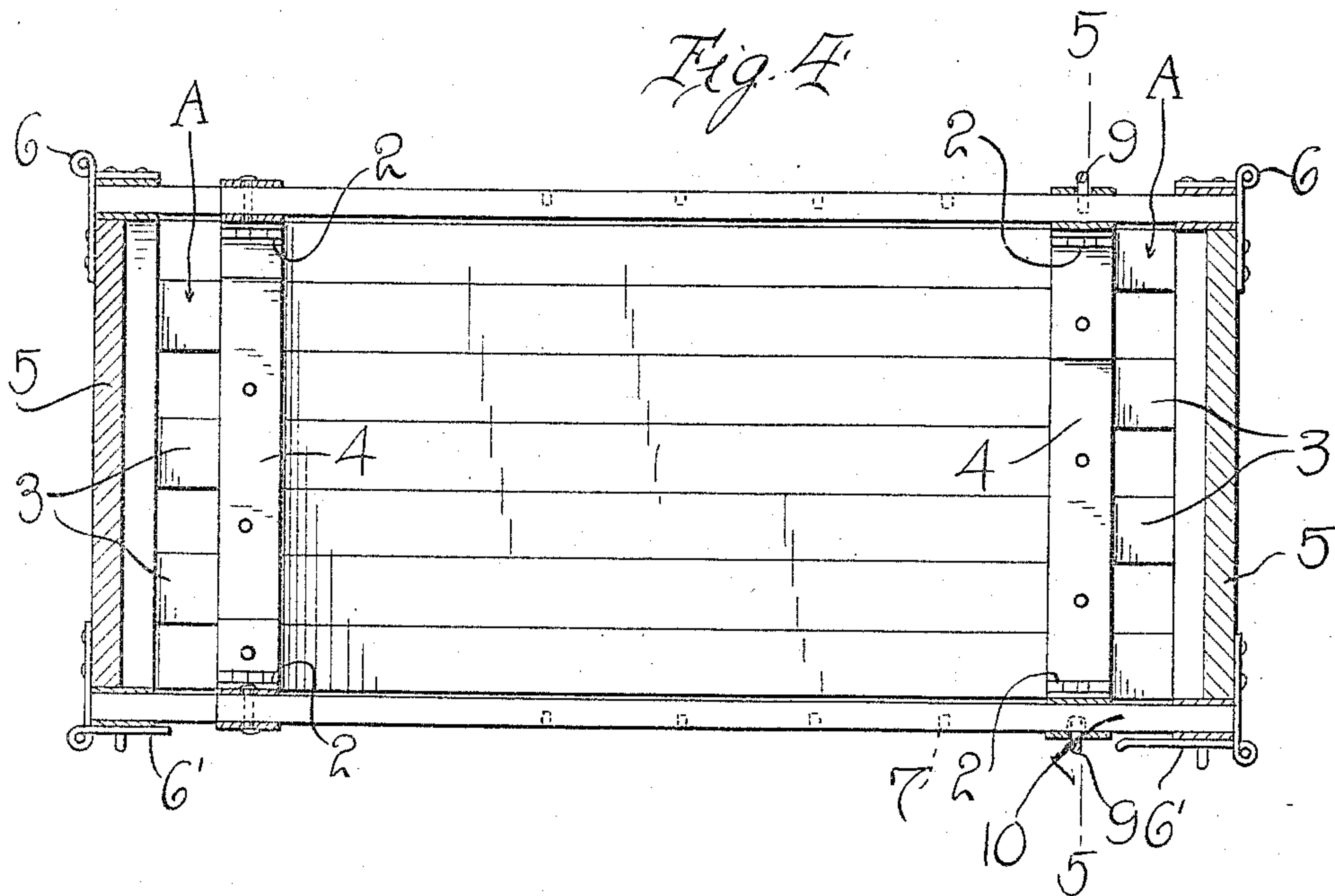
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# UNITED STATES PATENT OFFICE.

WARREN J. SCHREINER, OF MIDDLETOWN, PENNSYLVANIA.

## SHIPPING-CRATE.

,155,105.

Specification of Letters Patent. Patented Sept. 28, 1915.

Application filed February 16, 1915. Serial No. 8,535.

*To all whom it may concern:*

Be it known that I, WARREN J. SCHREINER, a citizen of the United States, residing at Middletown, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Shipping-Crates, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to certain improvements in shipping crates, and an object of the invention is to provide a novel and improved device of this general character capable of being compacted, when not in use, 15 to occupy a minimum of space and which may be adjusted to varying lengths.

Furthermore, it is an object of the invention to provide a device of this general character having novel and improved means 20 whereby it may be effectively locked in its various longitudinal adjustments.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved shipping crate whereby certain important advantages are attained and the device is rendered simpler, less expensive and otherwise more convenient and advantageous for use, all as will be hereinafter more fully 30 set forth.

The novel features of the invention will be carefully defined in the appended claim.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein— 35

Figure 1 is a view in perspective of a shipping crate, constructed in accordance with an embodiment of my invention, adjusted 40 into an operative position; Fig. 2 is a view in plan of my improved device adjusted into compacted form; Fig. 3 is an end elevational view of the device as disclosed in Fig. 2; Fig. 4 is a horizontal longitudinal sectional 45 view taken through Fig. 1; Fig. 5 is a sectional view taken substantially on the line 5—5 of Fig. 4; and Fig. 6 is an end elevational view of the device when adjusted into operative condition.

50 As herein embodied, my improved crate or receptacle comprises two substantially duplicate sections A—A and each of said sections comprises a plurality of panels 1, herein set forth as four in-number, hingedly 55 connected, as at 2, along their longitudinal marginal portions whereby the same may be

folded or compacted to occupy a minimum of space when not in use.

In the present embodiment of my invention, each of the panels 2 comprises a plurality of elongated strips 3 maintained in a predetermined spaced relation through the medium of the transversely disposed straps 4 positioned at opposite sides thereof. In practice, I find it of advantage to have the 65 spaces between adjacent strips 3 substantially equal to the transverse diameters of the strips so that the strips of the sections may be arranged in inter-engagement so that said sections may be adjusted longitudinally of the strips 1 relative to the other in order to vary the length of the crate or receptacle, as is believed to be self-evident, the inner straps 4 serving to limit the relative outward movement of the sections A—A. 75

The opposite ends of the sections A are open and coacting with the outer end of each of the sections is a door or closure member 5 adapted to snugly fit within the open outer end of the section when adjusted 80 into applied position and hingedly engaged, as at 6, with an outer strap 4 of one of the panels and having a hasp 6' or other locking medium coacting with the outer strap 4 of a diametrically opposed panel 1, as is believed to be clearly shown in the accompanying drawings. Intermediate strips 3 of opposed panels 1 of one of the sections are provided with the longitudinally disposed spaced recesses or pockets 7 produced in the 85 outer faces thereof adapted to receive the inwardly disposed angular extremity 8 of an elongated spring member 9 anchored at one extremity to an outer strap at the inner end of the second section A whereby it will 95 be readily perceived that the sections A will be effectively locked in their various lengths or longitudinal adjustments, it being understood that the strap provided with the spring is provided with an opening 10 adapted to register with the recesses or pockets 7, hereinbefore referred to. 100

From the foregoing description, it is thought to be obvious that a shipping crate constructed in accordance with my invention 105 is of an extremely simple and comparatively inexpensive nature and is particularly well adapted for use by reason of the convenience and facility with which it may be assembled, and it will also be obvious that my invention is susceptible of some change and 110 modification without material departure



from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several  
5 parts herein shown in carrying out my invention in practice.

I claim:

10 A shipping crate comprising substantially telescoping sections capable of longitudinal movement, one relative to the other, each of said sections comprising hingedly connected panels adapted to be folded laterally into compact form, end members hinged at one side to one of the panels and adapted to be

folded inwardly, one of said sections being 15 provided with a series of longitudinally disposed recesses, and a spring member carried by the second section and provided with a laterally projected end adapted to be received within the recesses of the first named 20 section to retain said sections in relative adjusted positions.

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

WARREN J. SCHREINER.

Witnesses:

WILLIAM G. SCHREINER,  
CORNELIUS B. ERISMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."