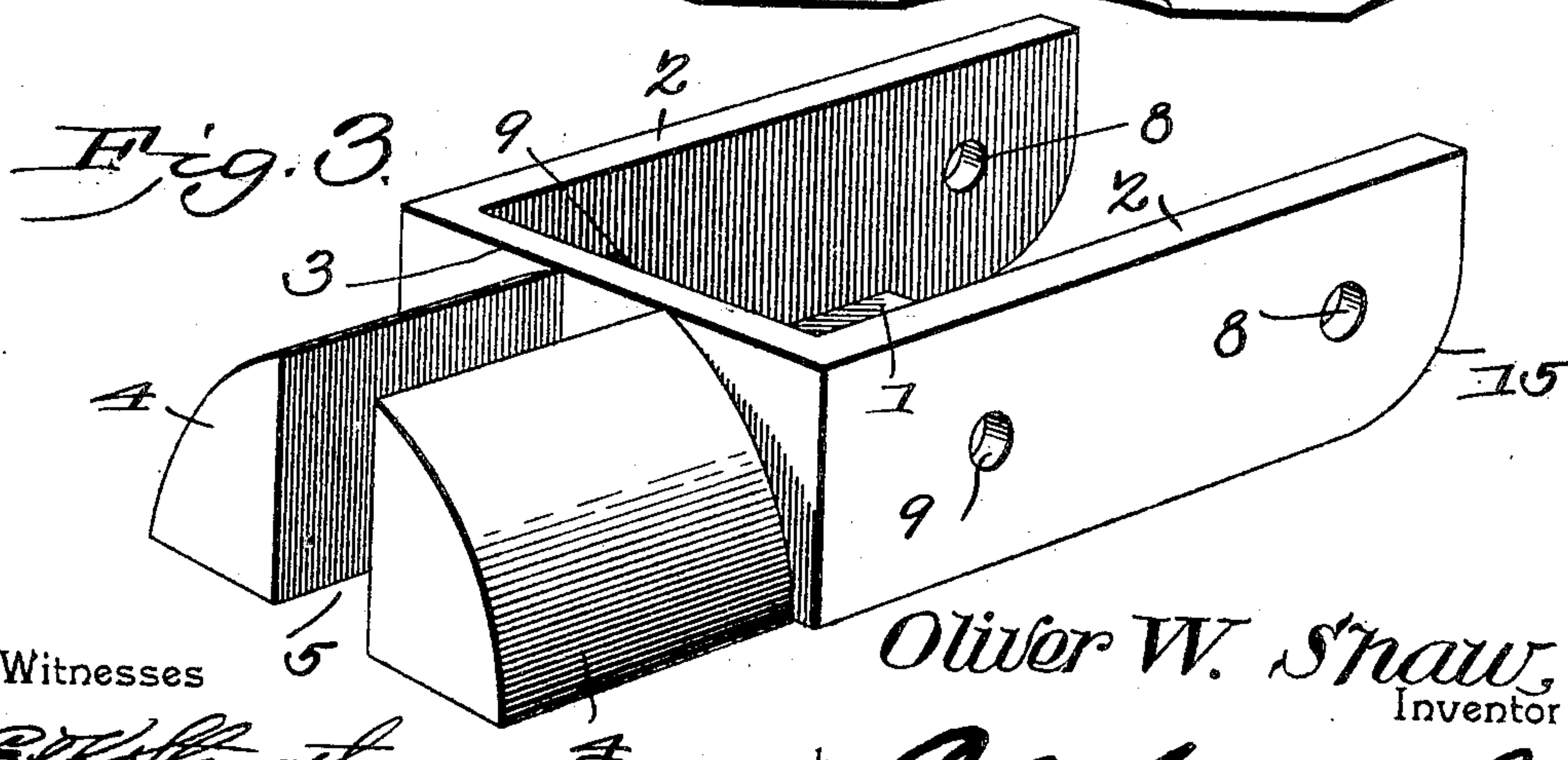
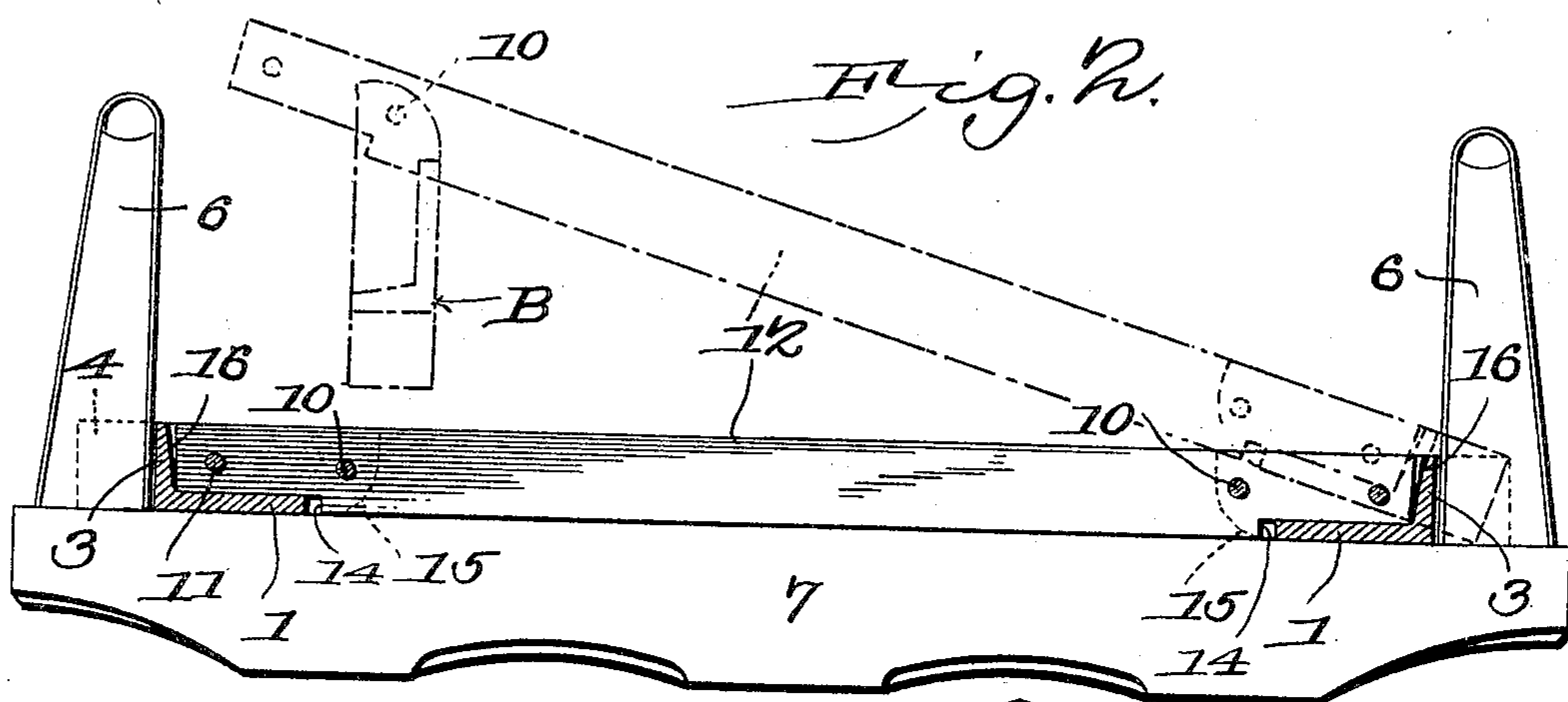
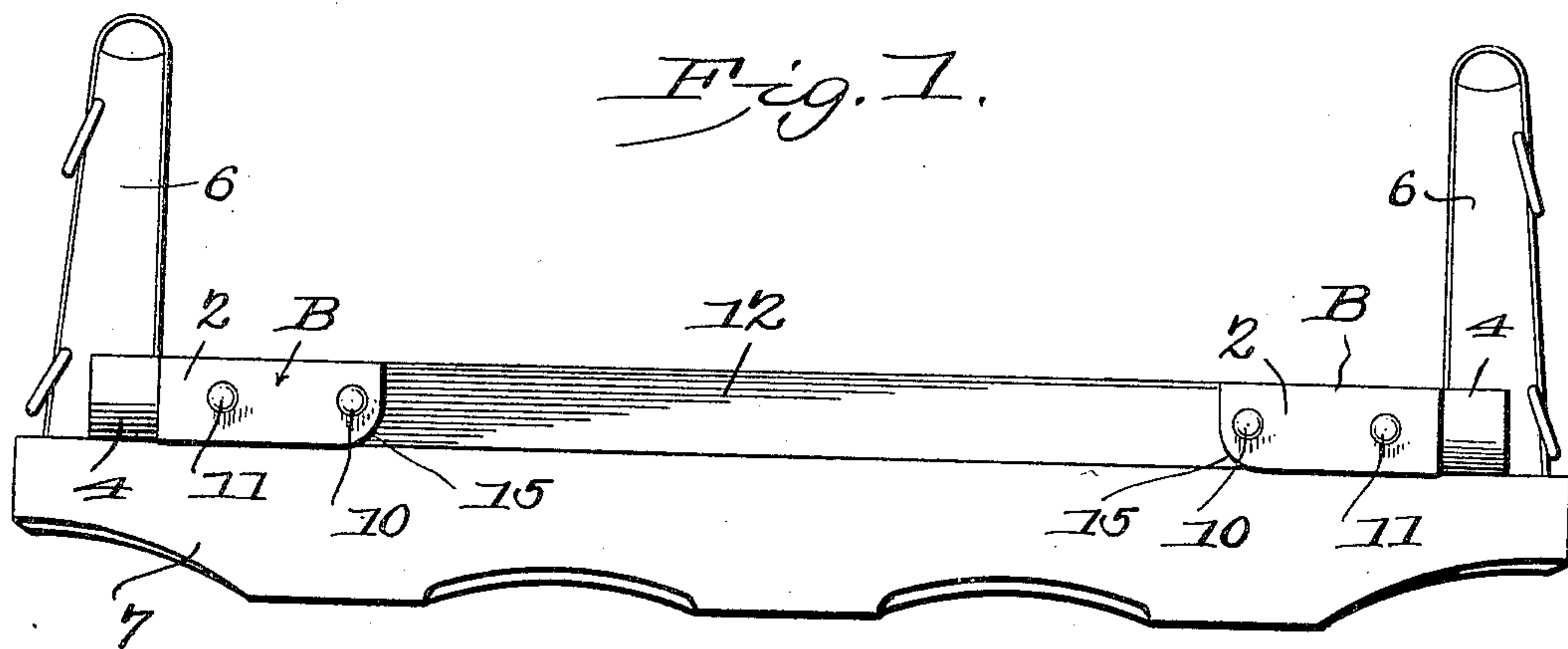


No. 804,059.

PATENTED NOV. 7, 1905.

O. W. SHAW.
DEVICE FOR SUPPORTING WAGON BODIES.
APPLICATION FILED JAN. 18, 1905.



Witnesses

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UNITED STATES PATENT OFFICE.

OLIVER W. SHAW, OF POLO, ILLINOIS.

DEVICE FOR SUPPORTING WAGON-BODIES.

No. 804,059.

Specification of Letters Patent.

Patented Nov. 7, 1905.

Application filed January 18, 1905. Serial No. 241,672.

To all whom it may concern:

Be it known that I, OLIVER W. SHAW, a citizen of the United States, residing at Polo, in the county of Ogle and State of Illinois, have
5 invented a new and useful Device for Supporting Wagon-Bodies, of which the following is a specification.

This invention relates to an improved device for supporting wagon-bodies.

10 It frequently happens in practice that it is desirable to support wagon beds, boxes, racks, bodies, or the like at an elevation above the normal support afforded by the bolsters. When this has been the case, the common
15 practice has been to place upon the bolsters pieces of scantling or planking of suitable dimensions, usually about two by four inches, a lift of two inches being usually sufficient. Such pieces have usually been notched at the
20 ends to engage the wagon-standards, being thus retained in position. A device of this kind has been at best a makeshift and has been the source of frequent annoyance, the pieces or "lifts" being frequently broken and
25 dislodged, sometimes with serious results, in causing breakage of parts of the running-gear. To avoid these objections is the object of the present invention, which to this end may be described as consisting of a casting
30 or device having standard-engaging lugs and a recess for the reception of the end of the plank constituting the lift, the device being usually provided in pairs, one being used at each end of each lift.

35 The invention further consists in the improved construction of the said device, which will be hereinafter fully described, and particularly pointed out in the claims.

In the accompanying drawings has been
40 illustrated a simple and preferred form of embodiment of the invention, it being, however, understood that no limitation is necessarily made to the precise structural details therein exhibited, but that the right is reserved to any changes, alterations, and modifi-
45 cations to which recourse may be had within the scope of the invention and without departing from the spirit or sacrificing the efficiency of the same.

50 In said drawings, Figure 1 is a side elevation showing a wagon-bolster to which the invention has been applied. Fig. 2 is a similar view, but partly in section, and with dotted lines indicating the lift in the act of being re-

55 moved from the bolster. Fig. 3 is a perspective view, enlarged, of the device constituting the present invention.

Corresponding parts in the several figures are indicated by like characters of reference.

The device of the invention consists of a
60 box-like member, the inside dimensions of which are preferably two inches in height by four inches in width, this being an approved standard size, which may, however, be departed from, if desired. The box includes a
65 bottom 1, sides 2 2, and an end member 3, upon the outer side of which are formed a pair of lugs 4 4, having straight vertical inner sides or faces 5, which are properly spaced
70 apart to include between them one of the stakes or standards 6 usually provided upon the ends of a bolster 7 of ordinary construction. The lugs 4 are preferably rounded upon
75 their upper outer surfaces, partly to reduce the weight and also to provide a neat appearance, and said lugs may, if desired, be made hollow for the purpose of reducing the weight.

The side members 2 2 are extended beyond the bottom member 1 and are provided with
80 registering perforations 8 8 and 9 9 for the passage of pins or bolts 10 11, whereby the boxes or castings are secured upon the ends of the plank 12, which constitutes the lift. The projecting ends of the side members 2
85 are preferably rounded upon their undersides, as shown at 15, to provide a neat finish, and the inner sides of the end members 3 are preferably slightly beveled, as will be best seen at 16 in Fig. 2.

In practice the boxes or members, which as
90 a whole are designated B, are secured by means of the pins or bolts 10 11 upon the ends of a plank 12, which has been previously cut off to the proper length. The lift may be readily placed in position with the lugs 4 of the mem-
95 bers B engaging the stakes or standards 6, as will be seen in Fig. 1. In order to remove the lift, the pin or bolt 11 at the outer end of one of the members 2 or adjacent to one of the stakes is removed, thus permitting the
100 end of the plank 12 to be easily lifted, while the box or member B swings to the position indicated in dotted lines in Fig. 2. In this manner it will be seen that the lift or supporting device may be removed without the
105 slightest danger of binding and by a person standing at one side of the running-gear. The member B also remains permanently con-

connected with the member 12 by the pin or connecting member 10 and is therefore in no danger of being lost or misplaced.

It is preferred that the plank or member 12 be provided at the ends thereof with notches or gains, as 14, forming seats for the bottoms of the boxes B, thus causing the portion of said plank intermediate the boxes to be directly supported upon the bolster.

It is not necessary or essential that the upper edges of the boxes B should be flush with the upper side of the plank 12. They may, if desired, be made of less height if it be desired to reduce the weight of the casting. It is also to be distinctly understood that the shape and relative size of the lugs or projections 4 may be varied within the scope of the invention.

This improved device, as will be readily seen, is extremely simple as to the construction and operation thereof and is well adapted for the purposes for which it is intended.

Having thus described the invention, what is claimed is—

1. A device of the class described consisting of a box-like structure including a bottom, an end member having outwardly-extending spaced lugs, and side members extending be-

yond the bottom member and having registering apertures.

2. A device of the class described consisting of a box-like structure having an end member provided with exteriorly-disposed spaced lugs and beveled upon its inner side, a bottom, and side members extended beyond said bottom and provided with apertures disposed in registry with each other; two of said apertures being in the parts of the side members which are extended beyond the bottom.

3. The combination with a plank constituting a lift, of box-like members connected pivotally with the ends thereof by transverse pins or bolts; said members having end walls beveled upon their inner sides, outwardly-extending stake-engaging lugs and inwardly-extended side members, the extended portions of the latter being provided with apertures for one of the connecting members.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

OLIVER W. SHAW.

Witnesses:

WM. H. STEWART,

WM. A. NEWCOMER.