

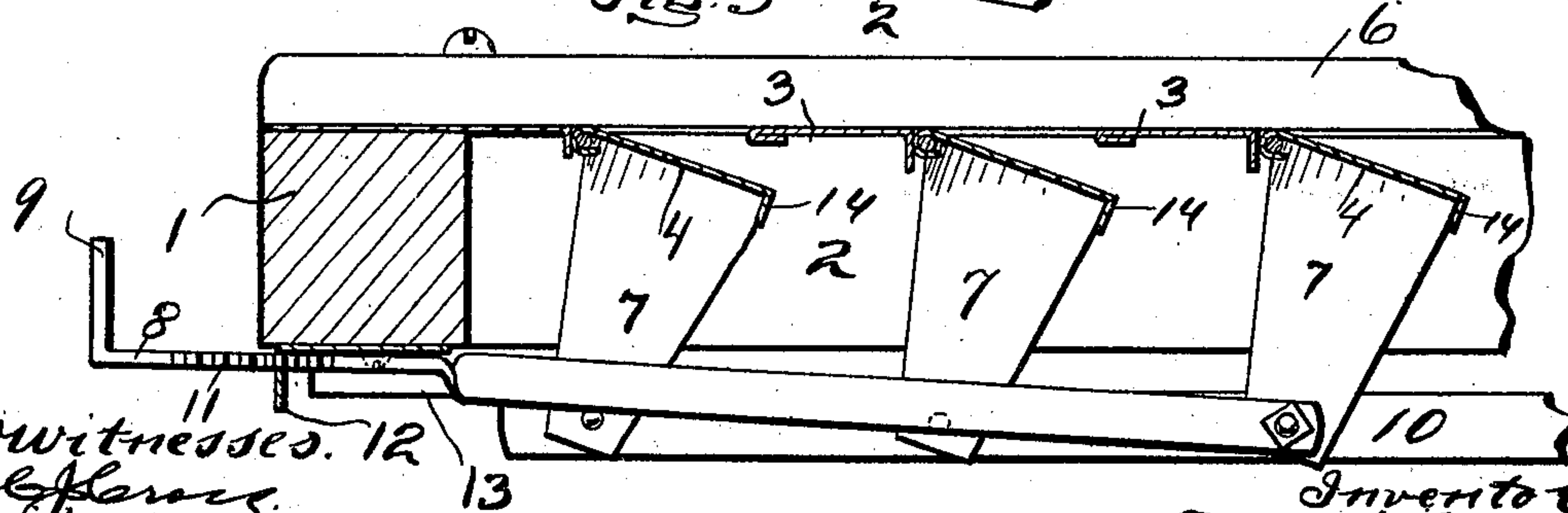
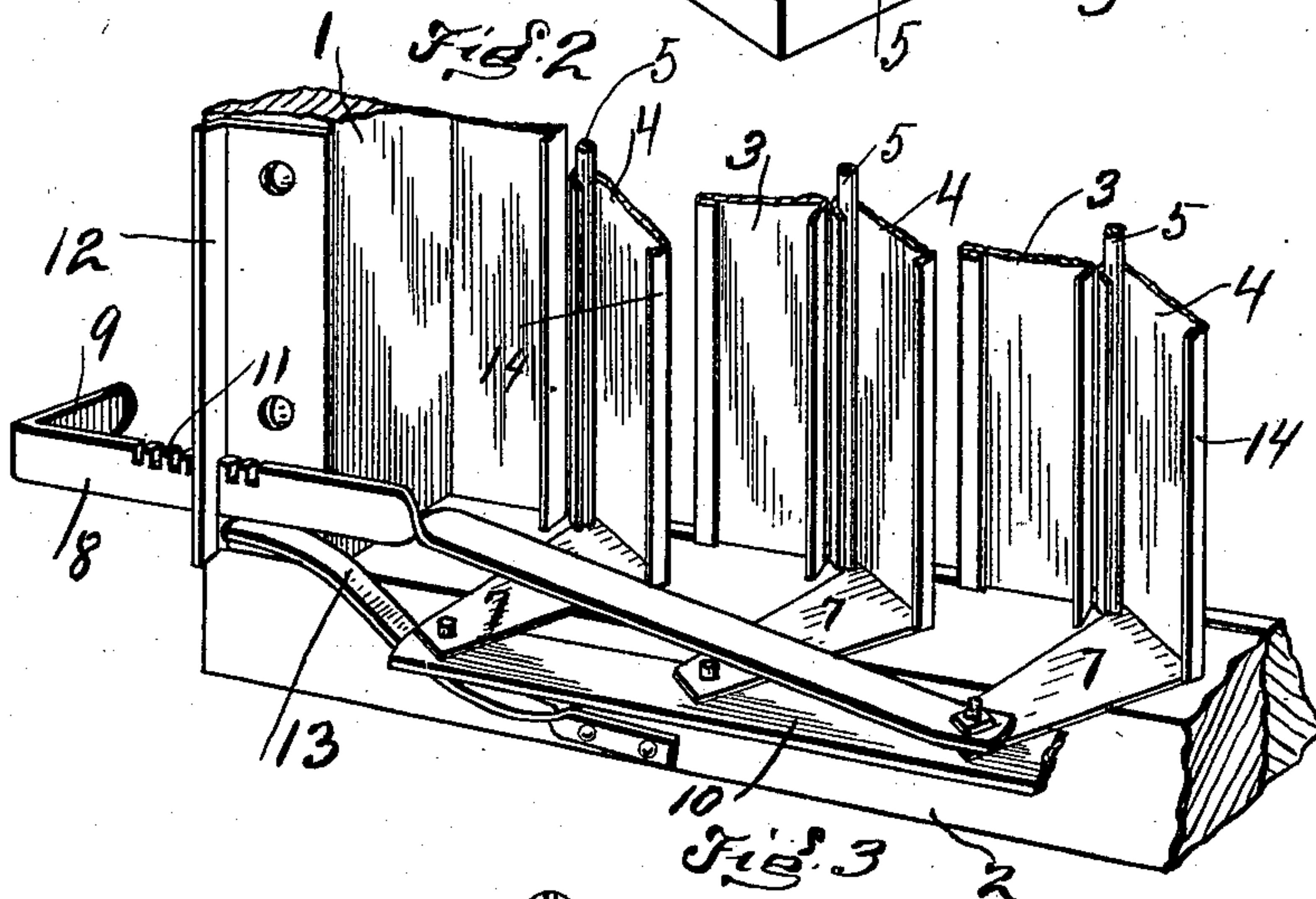
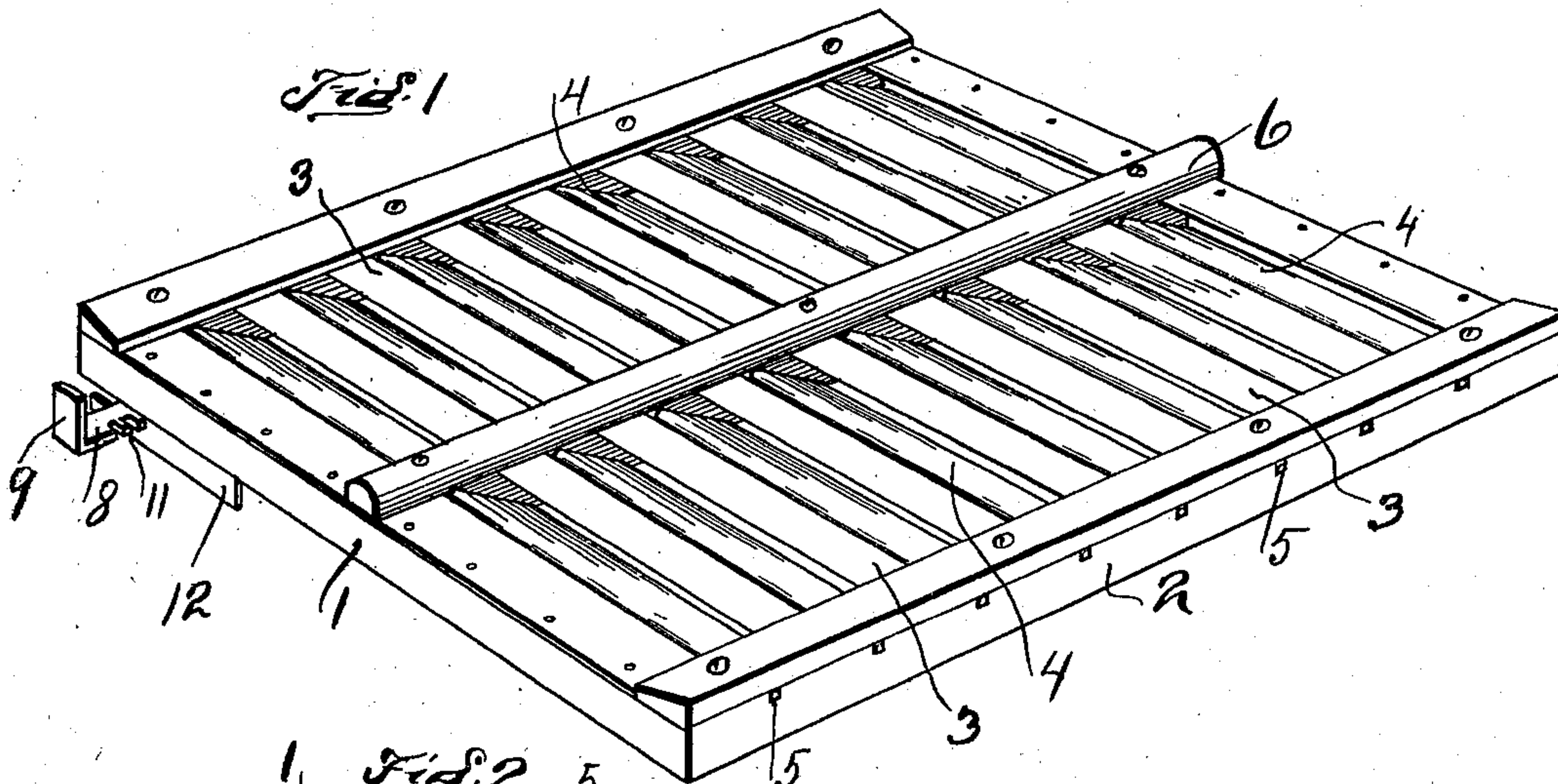
No. 692,682.

Patented Feb. 4, 1902.

D. LIPPY.
SEPARATOR SIEVE.

(Application filed Dec. 6, 1900.)

(No Model.)



Witnesses. 12
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UNITED STATES PATENT OFFICE.

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SEPARATOR-SIEVE.

SPECIFICATION forming part of Letters Patent No. 692,682, dated February 4, 1902.

Application filed December 6, 1900. Serial No. 38,946. (No model.)

To all whom it may concern:

Be it known that I, DAVID LIPPY, a citizen of the United States, residing at Mansfield, in the county of Richland and State of Ohio, have invented certain new and useful Improvements in Separator-Sieves; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the figures of reference marked thereon, in which—

Figure 1 is a perspective view. Fig. 2 is a bottom or under side view showing a portion of the sieve and the mechanism for adjustment. Fig. 3 is a longitudinal section showing a portion of the sieve.

The present invention has relation to separator-sieves; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claim.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

In the accompanying drawings, 1 represents the end members of the frame, and 2 the side members thereof, said members being connected together in any convenient and well-known manner, so as to constitute a rectangular frame.

To the side members 2 are connected the fixed bars or plates 3 in any convenient and well-known manner, which fixed bars or plates are spaced from each other, as illustrated in the drawings, and near the rear edges of the fixed plates 3 are hinged the front edges of the adjustable blades 4, said adjustable blades being located between the plates 3, as illustrated in the drawings.

For the purpose of providing a means for holding the blades 4 in proper relative position with reference to the fixed plates 3 the rods or bars 5 are provided, which rods or bars are pivotally attached to the side members 2.

For the purpose of strengthening the frame proper and supporting the plates 3 the center rail 6 is provided and is attached to the end members 1 in any convenient and well-known manner.

The hinged blades 4 upon one side of the center rail 5 are provided with the downturned flanges or arms 7, which may be formed integral with the blades, or they may be formed separate and attached in any convenient and well-known manner.

It will be understood that the adjustable blades or slats 4 should be formed of such a size that when they are brought into a close position, or, in other words, substantially the same plane as that of the fixed bars 3, they will close the space between said fixed bars or plates.

It will be understood that the space or opening between the fixed bars or plates 3 can be varied by adjusting the hinged blades or slats up or down, and for the purpose of providing a means for so adjusting the hinged blades 4 the rod 8 is provided, and its front or forward end is provided with the downturned flange 9, so as to form a handle to operate the rod 8. The rod 8 is extended rearward and its rear end pivotally connected to one of the downturned flanges 7, and for the purpose of causing all of the blades 4 to move in unison the connecting bar or rod 10 is provided, to which rod or bar are pivotally connected all of the downturned flanges 7.

For the purpose of holding the blades 4 at any desired point of adjustment the rod 8 is provided with the notches 11, which notches engage the cut-out end of the plate 12, said plate being connected in any convenient and well-known manner to the front end rail.

For the purpose of normally holding the lever 8, together with the adjustable blades 4, in fixed adjustment and preventing any accidental displacement of the adjustable parts the spring 13 is provided, which spring is so located and formed that it will press or bear against the outer edge of the bar 8.

When it is desired to change the adjustment of the hinged blades 4, the outer end of the bar 8 is moved laterally, so as to disengage the notches 11, after which said bar is free to be moved back and forth to any desired point of adjustment within the limits of its movements.

For the purpose of strengthening the blades 4 and at the same time providing for better

adjustment of the open space between said hinged blades or slats and the fixed bars or plates said hinged blades or slats are each provided with the downturned flanges 14.

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

In a separator-sieve of the class described, the combination of a rectangular frame provided with transverse fixed strips or plates
10 spaced from each other, transverse rods or bars journaled to the frame, and located between the fixed strips, blades or slats fixed to the said journaled bars said blades or slats
15 provided with downturned edges, down-

turned arms located upon the ends of one section or division of the blades or slats fixed to the journaled rods, and means comprising the bars or plates 8, 10 and 12 for adjusting the blades or slats fixed to the journaled bars, 20 and a spring-plate for holding the blades or slats in fixed adjustment, substantially as set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence 25 of two witnesses.

DAVID LIPPY.

Witnesses:

J. H. PETERS,

GEO. W. STATLER.