

No. 883,990.

PATENTED APR. 7, 1908.

J. D. WARREN.  
MERCHANDISE BIN.  
APPLICATION FILED JAN. 30, 1908.

Fig. I.

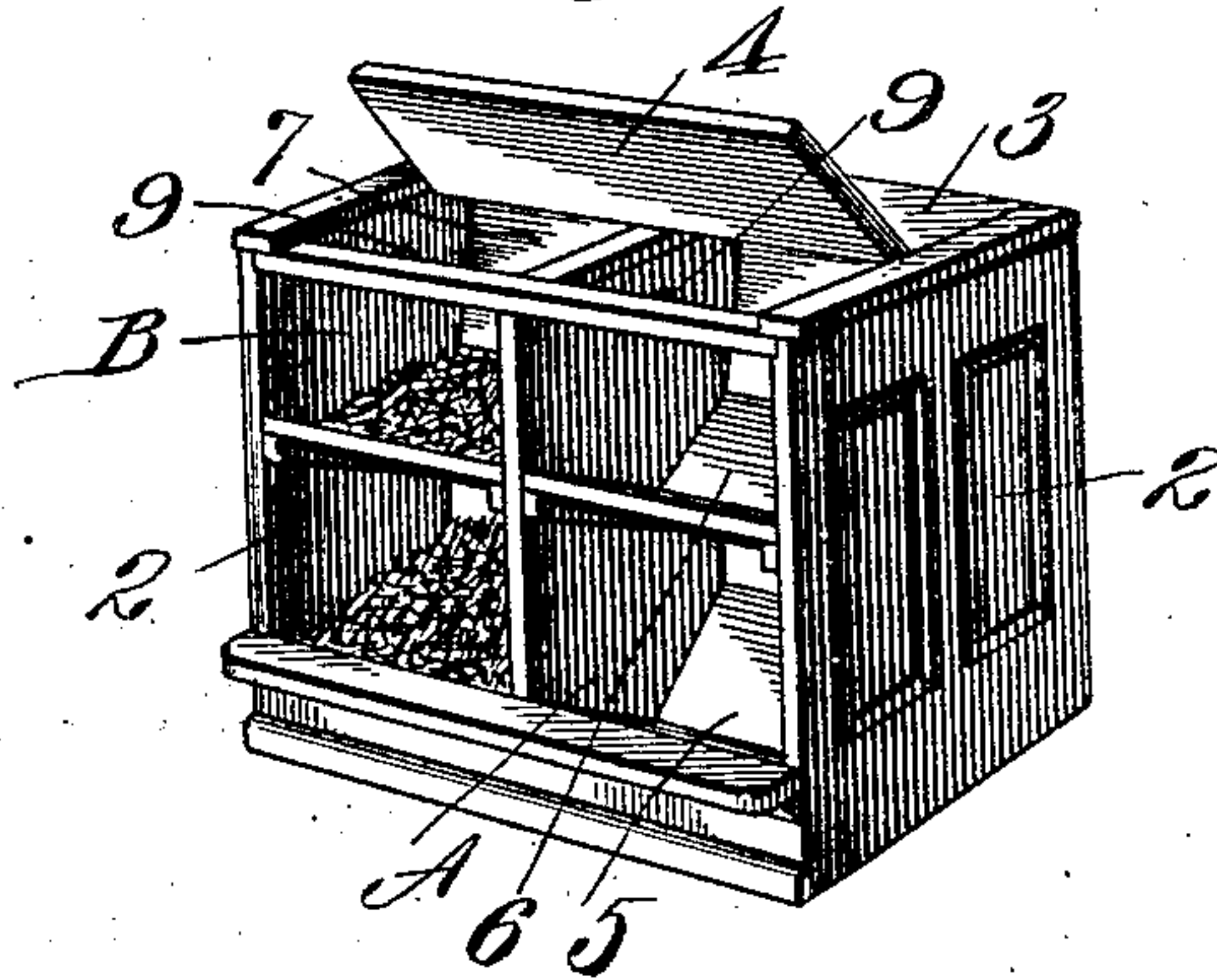


Fig. II.

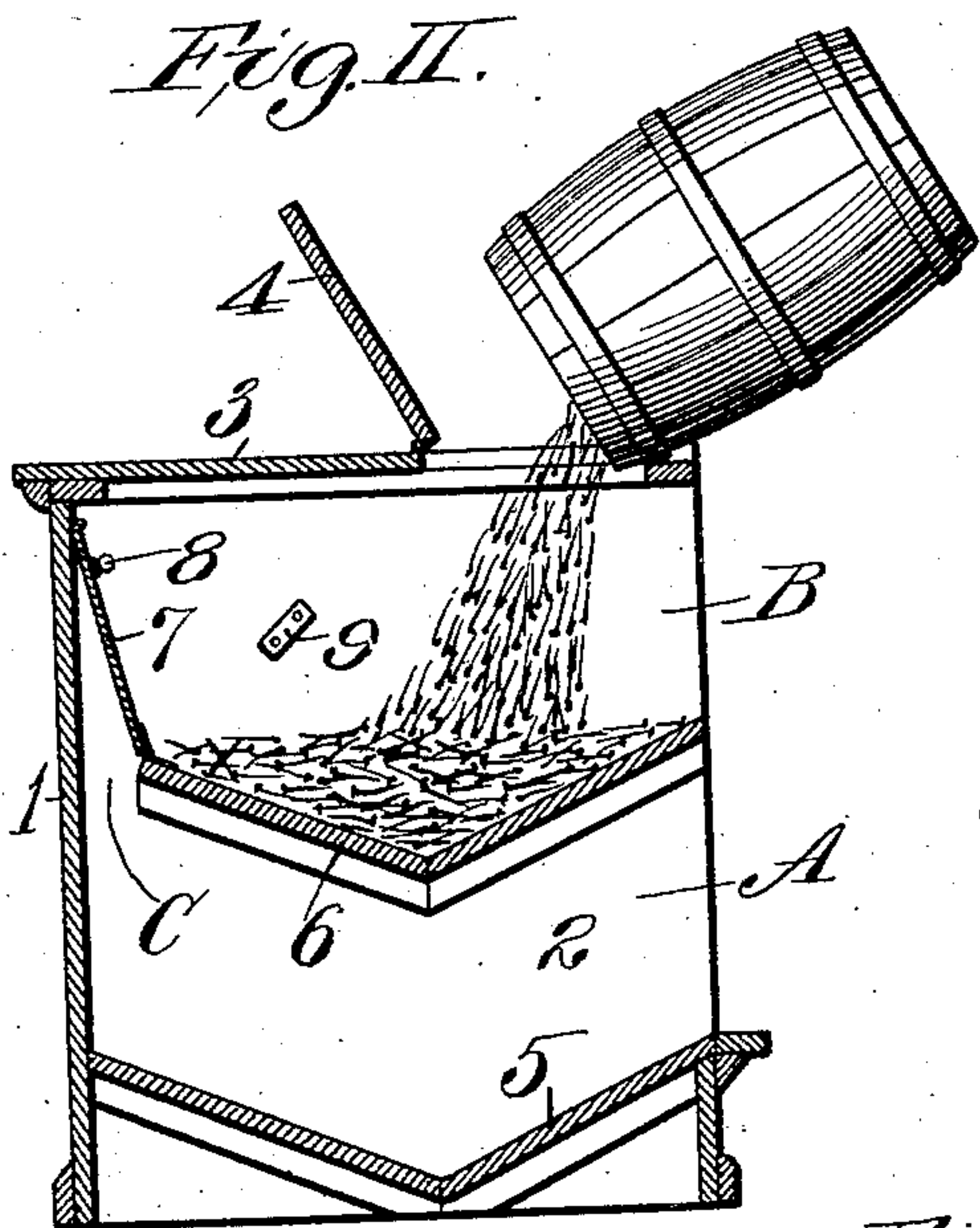


Fig. III.

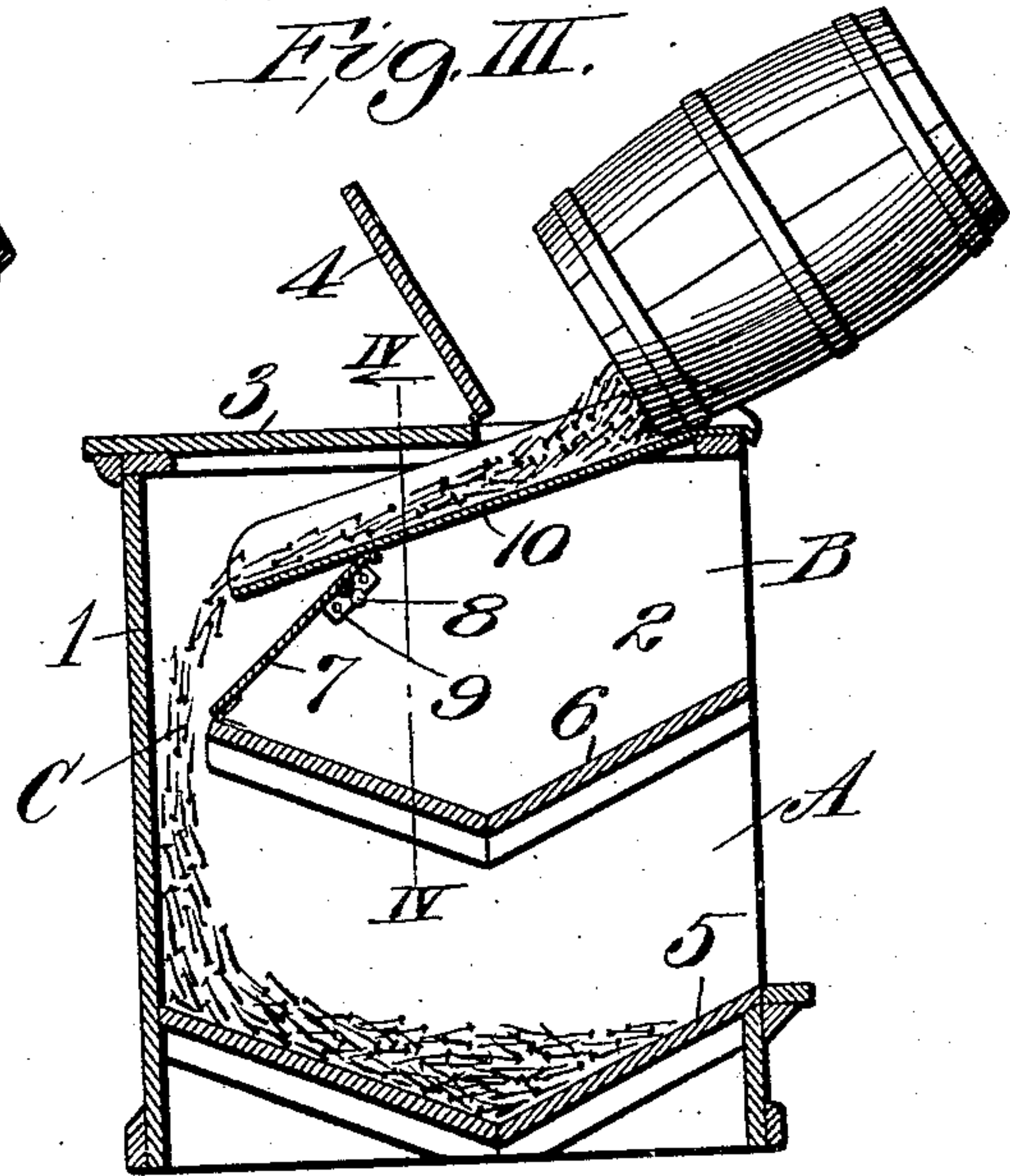
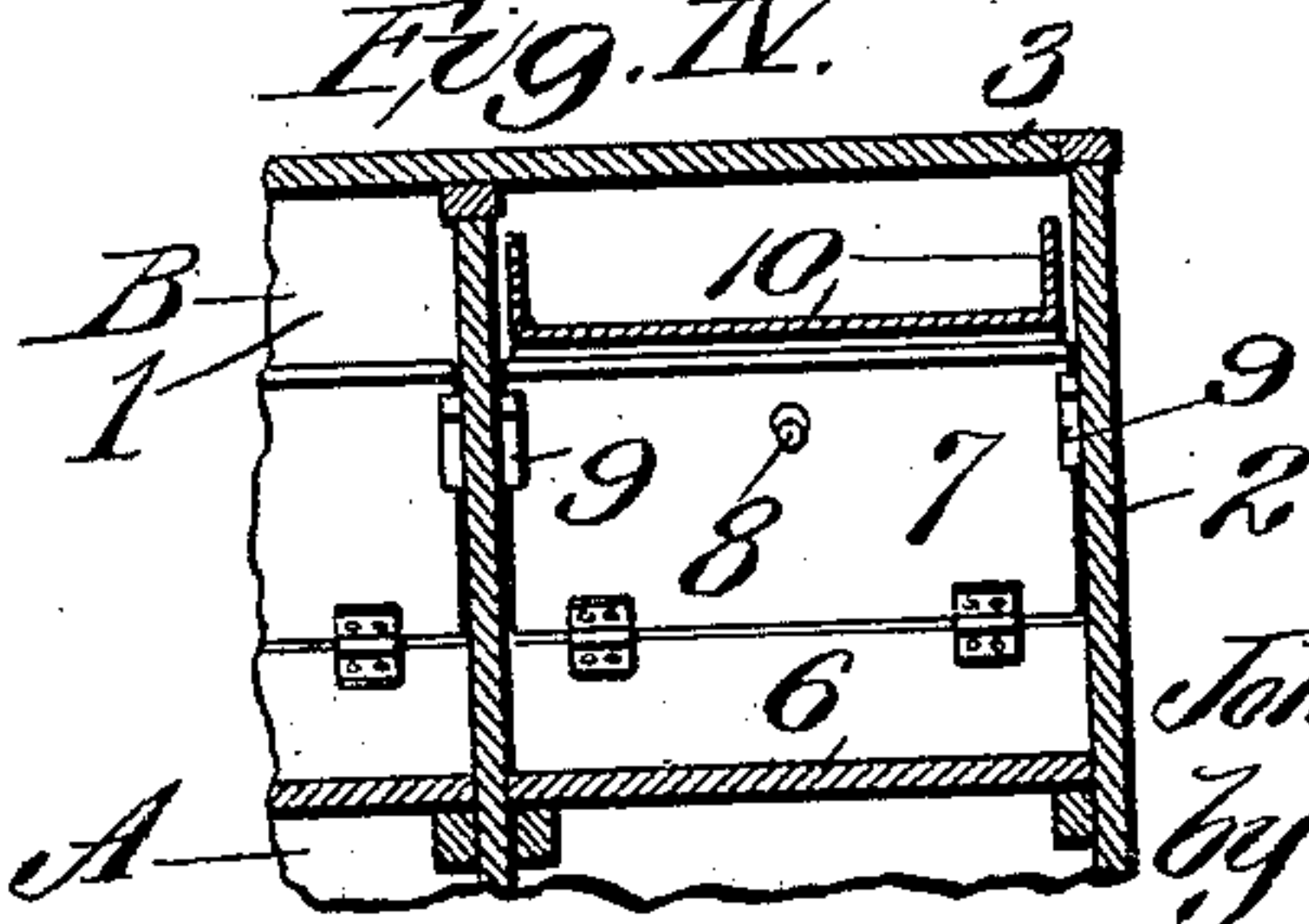


Fig. IV.



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# UNITED STATES PATENT OFFICE.

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## MERCHANDISE-BIN.

No. 883,990.

Specification of Letters Patent.

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Application filed January 30, 1908. Serial No. 413,368.

*To all whom it may concern:*

Be it known that I, JOHN D. WARREN, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Merchandise-Bins, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to that class of merchandise bins in which there are lower and upper compartments to either of which access may be obtained at the front of the bin and which are more particularly useful as receptacles for nails or similar merchandise.

The object of the present invention is to make a bin of this character of such construction that both the lower and upper compartments may be filled independently of the other by the introduction of the merchandise at the top of the bin.

Figure I is a perspective view of my bin in multiple form. Fig. II is an enlarged vertical cross section taken through the bin as it appears when merchandise is being emptied into its upper compartment. Fig. III is a view similar to Fig. II with the movable parts of the bin shown in the positions assumed when the lower compartment of the bin is being filled independently of the upper compartment. Fig. IV is a vertical longitudinal section taken on line IV—IV, Fig. III.

In the accompanying drawings: 1 designates the back wall of the bin and 2 the side walls, which latter may either constitute the ends of the bin or, where the bin is made in multiple form, may in part constitute partition walls. The bin is open at its front to permit access therinto and at its top is a rear cover member 3 to which is hinged a front lid 4.

5 is a lower floor, above which is a lower compartment A.

6 is an upper floor located above the lower floor and separating the lower compartment A from an upper compartment B. The upper floor 6 is discontinued at a point forward from the back wall of the bin to provide a passage-way C leading from behind the rear wall of the upper compartment to the lower compartment of the bin.

7 designates a wing forming the rear wall of the upper compartment and hinged to the upper floor 6 at its rear edge and adapted to

control the passage-way between the lower compartment and rear wall of the upper compartment. This wing is designed to be moved rearwardly into a position that will cause its upper free end to rest against the rear wall of the bin when the passageway between the lower compartment and the rear wall of the upper compartment is to be closed and is provided with a suitable handle 8. The wing is also designed to be moved into a forward position and to rest against stops 9 attached to the side walls of the bin when communication is to be established between the lower compartment and the top of the bin.

10 is a chute that is adapted to be introduced through the opening in the top of the bin that is normally closed by the lid 4 and to extend into a position over the wing 7 when said wing is resting upon the stops 9.

When merchandise is to be emptied into the lower compartment of my bin the wing 7 is moved forwardly into a position against the stops 9, as seen in Figs. III and IV, and the chute 10 is introduced through the opening in the top of the bin into the position shown in said figures. Merchandise may then be emptied as illustrated in Fig. III onto the chute and it will descend therefrom through the passageway C into the lower compartment A. When merchandise is to be emptied into the upper compartment B the chute 10 is dispensed with and the wing 7 is disposed, as seen in Fig. II and the merchandise introduced through the opening in the top of the bin enters only into the upper compartment.

I claim:

1. A bin having independent lower and upper compartments and containing a passageway leading from behind said upper compartment to said lower compartment, and a movable wing forming the rear wall of said upper compartment and controlling said passageway, substantially as set forth.

2. A bin having a lower floor and an upper floor, the latter of which is separated at its rear end from the back of the bin to provide a passageway, and a movable wing forming the rear wall of said upper compartment and controlling said passageway, substantially as set forth.

3. A bin having a lower floor, an upper floor above said lower floor and separated at its rear end from the back of the bin to provide a passageway, and a wing forming the

rear wall of said upper compartment and hinged to said upper floor and controlling said passageway, substantially as set forth.

4. A bin having a lower floor, an upper  
5 floor surmounting said lower floor and separated from the back of the bin to provide a passageway, a wing hinged to said upper floor and adapted to be moved forwardly and rearwardly relative to the back of the bin to

control said passageway, and stops at the 10 sides of the bin against which said wing is adapted to rest when in a forward position, substantially as set forth.

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Witnesses:

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G. D. ANDERSON.