

No. 860,193.

PATENTED JULY 16, 1907.

J. H. COLLINS.

COUNTING ATTACHMENT FOR SHINGLE PACKING FRAMES.

APPLICATION FILED JULY 2, 1906.

Fig. 2.

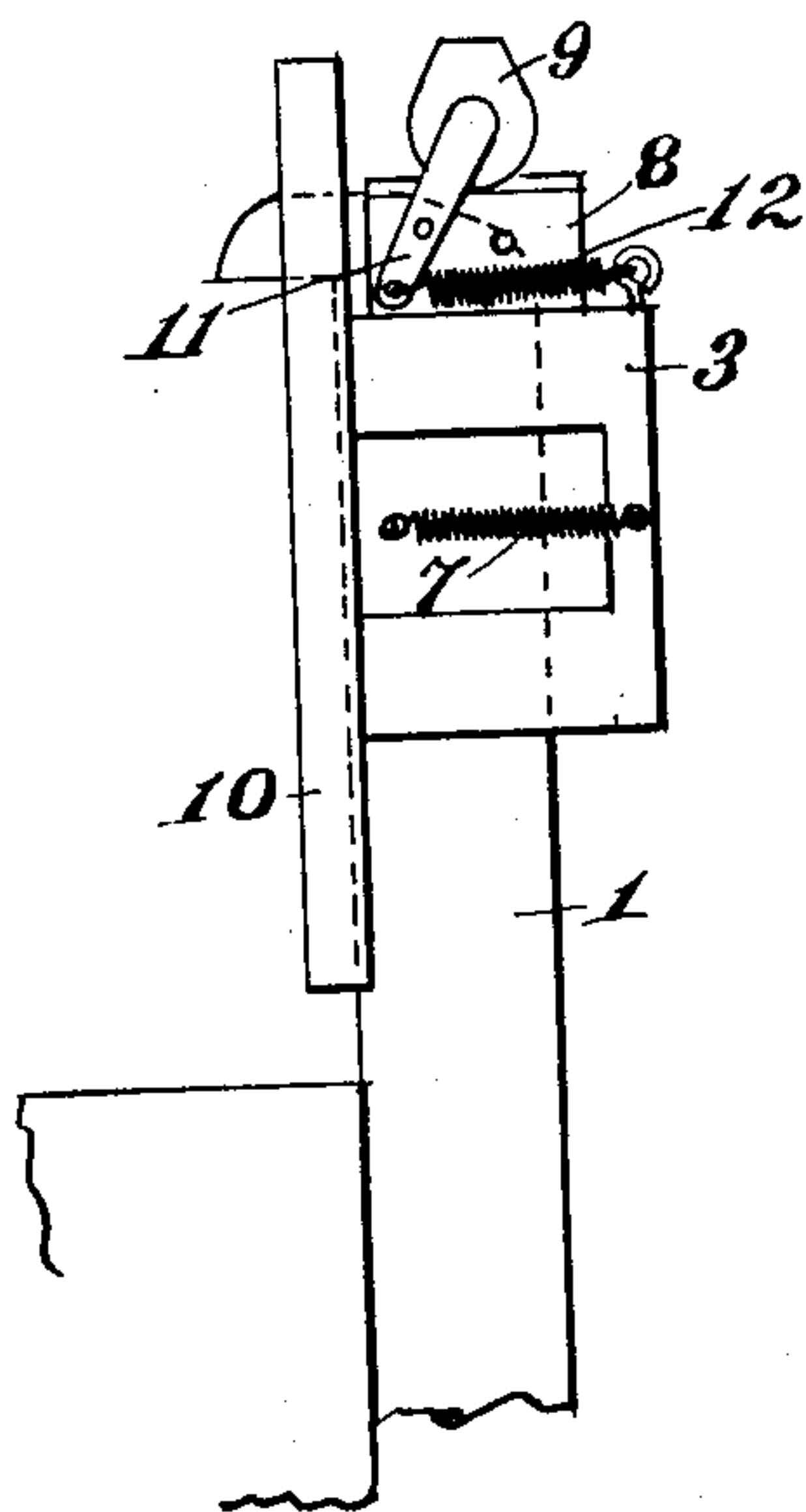


Fig. 1.

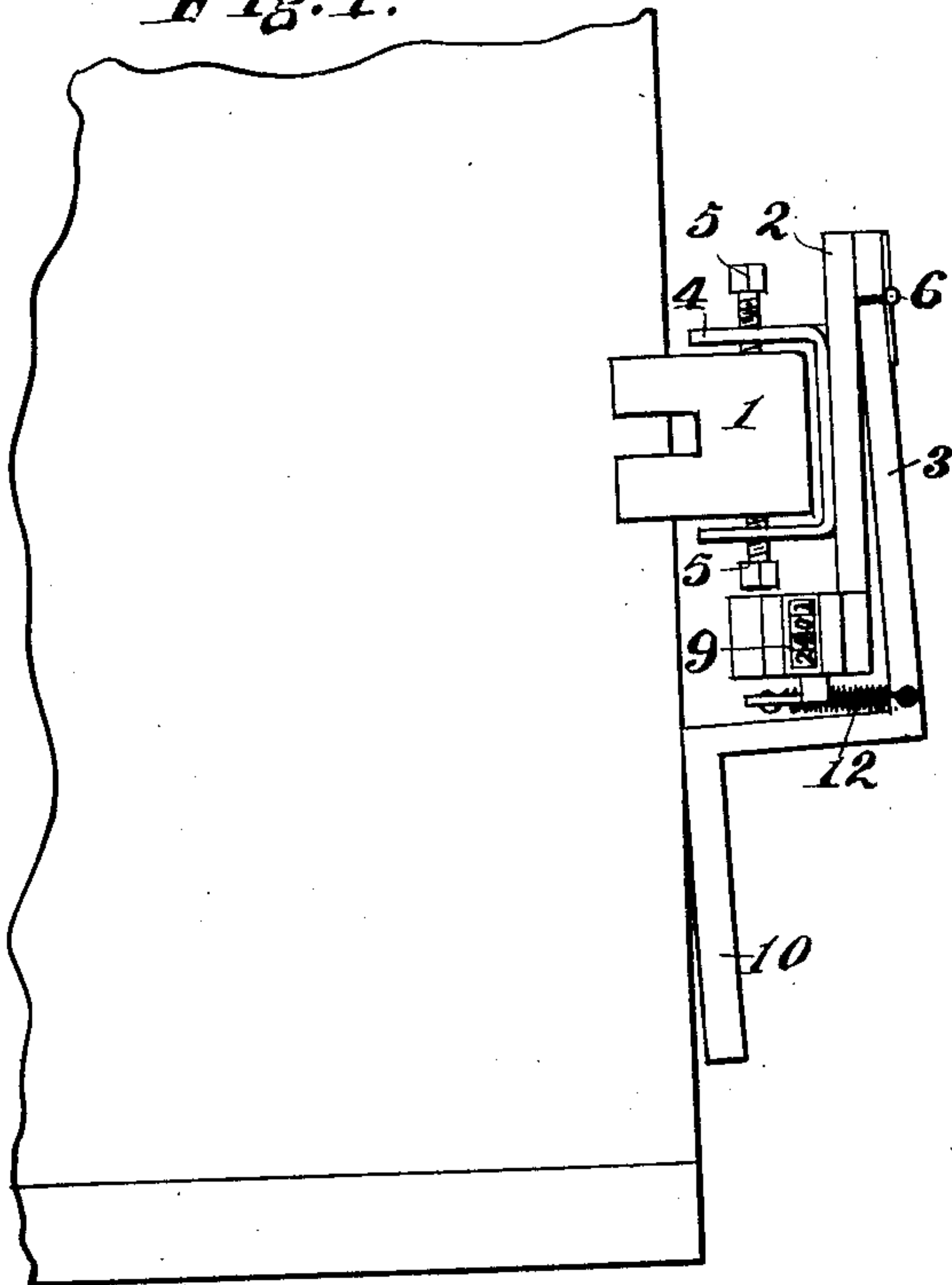
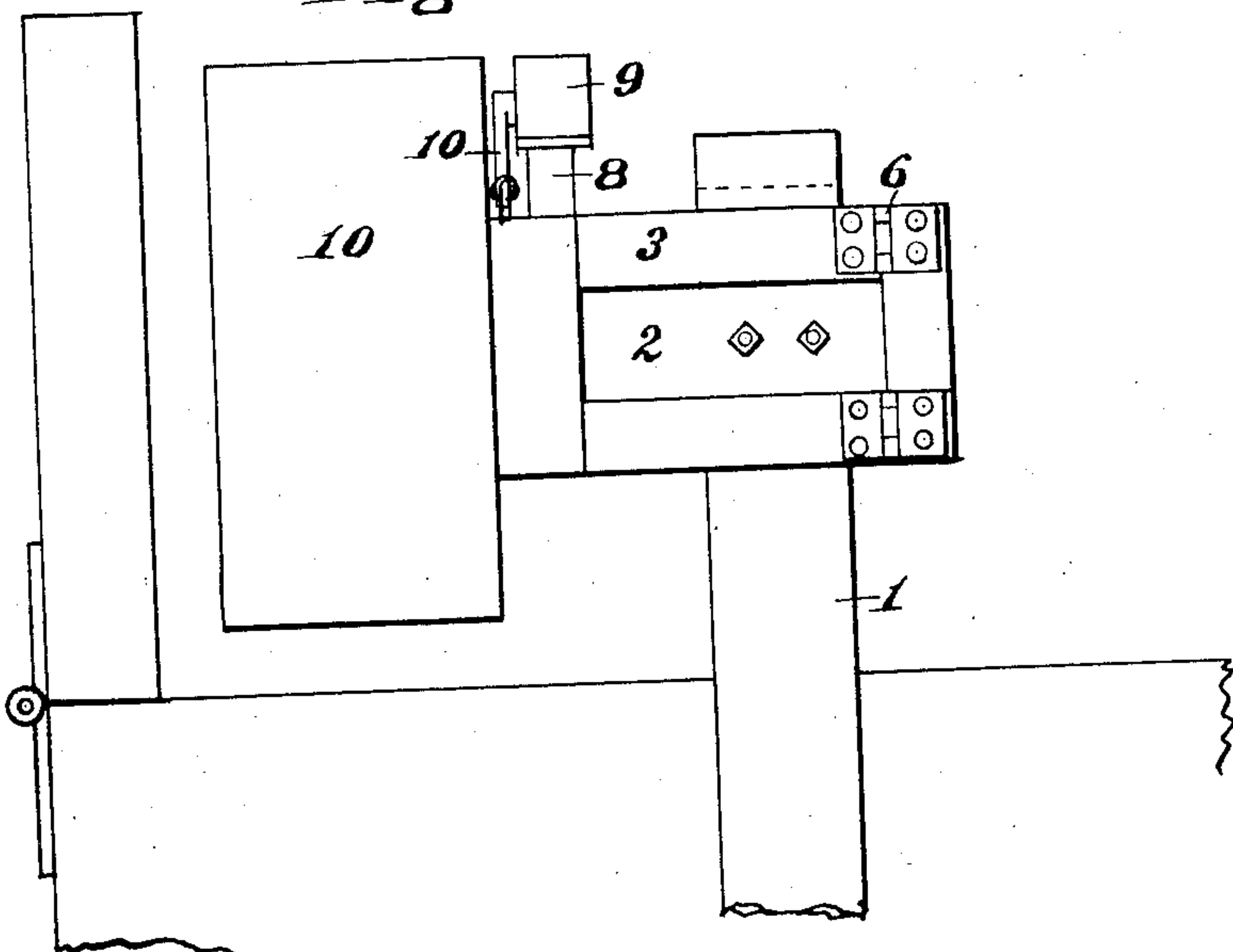


Fig. 3.



WITNESSES.

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COUNTING ATTACHMENT FOR SHINGLE-PACKING FRAMES.

No. 860,193.

Specification of Letters Patent.

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Application filed July 2, 1906. Serial No. 324,526.

To all whom it may concern:

Be it known that I, JOHN H. COLLINS, a citizen of the United States, residing at Everett, in the county of Snohomish and State of Washington, have invented 5 new and useful Improvements in Counting Attachments for Shingle-Packing Frames, of which the following is a specification.

My invention relates to an improvement in counting or registering devices designed for attachment to shingle packing frames and having for its object to indicate 10 the number of layers in the bundle and when the number of shingles have been packed to make a standard bundle.

In the accompanying drawings I have shown my invention embodied in the form now preferred by me. 15

Figure 1 is a top plan view of my device shown in connection with a part of the shingle packing frame. Fig. 2 is an edge view of the same, and Fig. 3 is a side view thereof.

20 Shingles are packed for market in bunches of uniform size containing the same number of layers; usually 25. In some manner these layers must be counted to insure the bunches being equal in size. To do this manually takes time. With my device the counter thereof is 25 operated automatically once for each layer of shingles placed, and a glance thereat will show when the right number of layers have been placed.

The shingles are packed in a frame which makes the bunches of the same length and breadth and compressor 30 bars are placed at each side in position to engage the ends of the upper bar by which the bunch is held together so that the bunch may be compressed before nailing the bands.

In the drawings I have shown portions of the packing 35 frame, 1, representing one of the compressor bars. I have shown my device as mounted upon this bar, although it may be supported from any convenient point about the edge of the shingle bunch.

My device comprises a base member 2, to which is 40 pivoted a lever 3, a counter 9, and means connecting the counter and lever in order that the counter may be actuated from said lever.

In fitting my device for mounting upon the compressor bar 1, I provide it with a clip 4 which embraces 45 the bar and is secured thereto by set screws 5. The

lever 3 is hinged to the base by hinges 6 and has its free end 10, offset so as to carry it over near the edge of the space occupied by the shingle bunch. This end may, when unrestrained, project into the space occupied by the shingle bunch or be simply adjacent thereto. It 50 may also be operated either by contact of the shingles or by the hand of the packer. When mounted in other positions the shape of this lever may be different. I have shown the free end of the lever as extending vertically and in length as substantially equal to the thickness of the butt ends of the shingle bunch. 55

In using my device the extension 10 of the swinging lever 3, is pushed outward when laying the shingle in each layer lying at that side of the bunch. This moves the counter one count. As there are 25 layers in each 60 bunch the bunches are completed when the last two figures are respectively 00, 25, 50, and 75 (assuming of course that the packer begins with figure 1), while by multiplying the hundreds indicated by four the number of bunches are given, or by taking the number of 65 hundreds indicated by the counter, the number of thousand shingles is given, there being 250 shingles in a bunch.

Having now described my invention, I claim as new and desire to secure by Letters Patent— 70

1. A device for removable attachment to shingle presses comprising a base having clamping means adapted for removably securing it to a member of the press, an arm pivoted to the base and with its free end extending adjacent the space occupied by the shingle butts as packed, a counter, and actuating connection between said arm and counter. 75

2. A device for removable attachment to shingle presses comprising a base provided with means adapted for removably securing it to the press, a counter carried by said base and means for actuating said counter by the act of placing an edge shingle of each layer. 80

3. A device for removable attachment to shingle presses comprising a clamp adapted to be removably secured to a compressor bar of the press, an arm pivoted thereto to swing horizontally with its free end adjacent the space occupied by the shingle butts at one end of the bunch as packed, a counter, and actuating connection between the said arm and the counter. 85

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Witnesses:

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