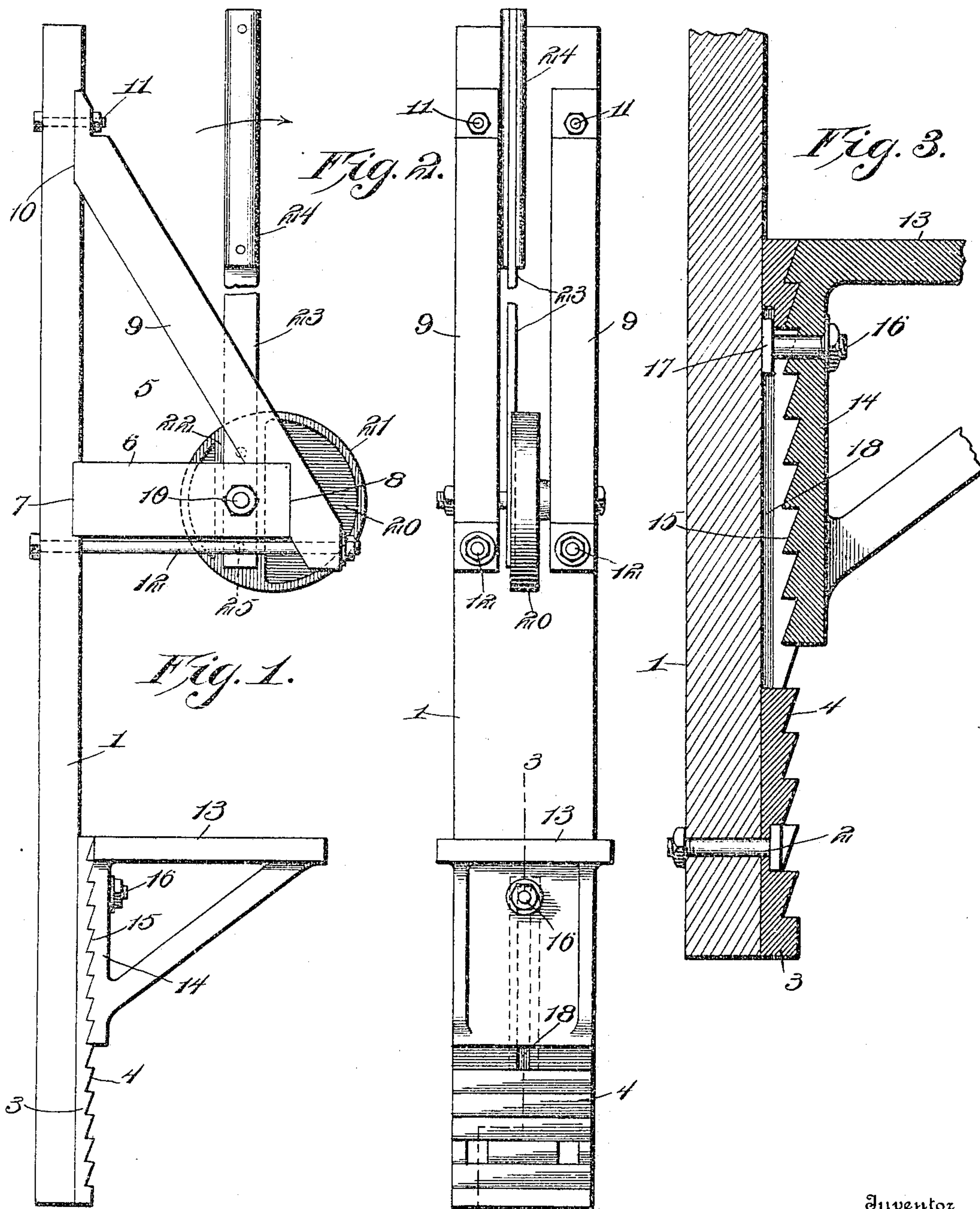


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H. O. LATHAM.
PRESS.

APPLICATION FILED OCT. 1, 1904.



Witnesses.

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PRESS.

SPECIFICATION forming part of Letters Patent No. 787,301, dated April 11, 1905.

Application filed October 1, 1904. Serial No. 226,812.

To all whom it may concern:

Be it known that I, HARRY O. LATHAM, a citizen of the United States, residing at Campbell, in the county of Dunklin and State of Missouri, have invented new and useful Improvements in Presses, of which the following is specification.

This invention relates to baling-presses designed especially for handling veneer, box material, and the like, and has for its objects to produce a comparatively simple inexpensive device of this character in which the material will be firmly compressed and securely held in compact form while applying the bale-ties thereto and one wherein the bed or table on which the material rests may be readily adjusted to accord with the sizes of the bales to be produced.

With these and other objects in view the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a side elevation of a baling-press embodying the invention. Fig. 2 is a front elevation of the same. Fig. 3 is a longitudinal section taken on the line 3 3 of Fig. 2 on an enlarged scale.

Referring to the drawings, 1 designates a vertical bed or support, preferably composed of wood and having secured to its front face and adjacent its lower end, by means of bolts or other fastening devices 2, a supporting member or plate 3, provided on its outer face with a vertical series of transverse teeth 4.

Disposed adjacent to the upper end of the base 1 is a bearing-frame 5, comprising a pair of horizontal members or timbers 6, having their inner ends seated in sockets 7, formed in the outer face of the support 1, and their outer ends seated in sockets or recesses 8, formed in the inner faces of upwardly and inwardly inclined bracing members or timbers 9, the upper ends of which fit in sockets or recesses 10, formed therefor in the support 1, and are secured by means of fastening members or bolts 11, while the lower ends of the braces are secured by means of tie-bolts 12, extending horizontally beneath the members 6, these bolts being operable for causing

the braces 9 to clamp and maintain the members 6 securely in position.

Arranged beneath and appropriately remote from the bearing-frame 5 is a horizontal bed or table 13, designed to receive the material to be compressed and having at their inner edge a vertically-depending portion or plate 14, provided with teeth 15, corresponding to and adapted to mesh with the teeth 4 upon the supporting member 3 for sustaining the table in place, the table being held adjustably in place by means of a bolt 16, having at its inner end a head 17, disposed for travel vertically in a guideway or undercut groove 18, formed centrally and longitudinally of the plate 3.

Extended through the members or timbers 6 adjacent to their outer ends is a horizontal bolt or axle 19, upon which is eccentrically journaled a circular pressure-head 20, having an outer peripheral bearing portion or flange 21, there being formed upon one side of the pressure head or wheel 20 a groove or recess 22, constituting a seat for one end of an operating member or lever 23, which in turn is provided at its normally upper end with a handle 24, this lever being attached to the wheel by means of transverse rivets or other fastening devices 25.

In practice the sheets of veneer or other material to be compressed into the bales is arranged upon the table 13 in superposed relation to the desired height or thickness, and the handle 24 is grasped and moved outward and downward, as indicated by the arrow in Fig. 1, thereby rotating the head or wheel 20 upon its axle and causing the same, owing to its eccentricity, to act upon and firmly compress the material, it being understood that a board or the like may be arranged on the material to receive the impact of the head and prevent the latter marring the material under treatment. The proper amount of pressure having been applied to the material by means of the head, the latter remains in its compressing or active position until suitable bale-ties have been applied around the material, after which the head is returned to inactive position to permit ready removal of the completed bale. The device may be arranged

for bales of varying sizes by loosening the bolt 16 and adjusting the table 13 vertically upon the support 3, as will be readily understood.

5 From the foregoing it is apparent that I produce a simple efficient device which in practice will admirably perform its functions to the attainment of the ends in view and one which is especially adapted for baling box-
10 blanks, veneer, and other material prepared at a factory and which it is customary to ship in bales in knocked-down or incomplete condition to be made into the completed articles by the user. In attaining these ends it is to
15 be understood that minor changes in the details herein set forth may be resorted to without departing from the spirit or scope of the invention.

Having thus fully described the invention,
20 what is claimed as new is—

1. In a device of the class described, a vertical bed or support, a plate attached thereto and having transverse teeth and a longitudinal undercut guideway, a horizontal table having a depending portion provided with teeth
25 in mesh with the teeth of the plate, a bolt movable longitudinally of the guideway and having a head seated in the undercut portion of the latter, said bolt being engaged with the
30 depending portion of the table and operable

for clamping the latter to the plate for maintaining the teeth on said parts in engagement, and a pressure member eccentrically pivoted above and operable for compressing material on the table.

2. In a device of the class described, a vertical bed or support, a pair of horizontal beams seated at one end in recesses formed in the support, a pair of diagonal beams having their upper ends seated in recesses in the support
40 and their lower ends provided with recesses for the reception of the outer ends of the horizontal beams respectively, tie-bolts extended beneath the horizontal beams and engaged at their ends with the vertical support
45 and the lower ends of the respective diagonal beams, a horizontal axle sustained by the horizontal beams, a pressure-head eccentrically pivoted upon the axle between the beams, an operating-handle fixed upon the
50 head, and a vertically-adjustable table connected with the support at a point beneath and remote from the head.

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

HARRY O. LATHAM.

Witnesses:

I. L. HAFTMAN,
J. C. HOPE.