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M. WETZLER

1,809,769

VENEER PRESS

Filed Feb. 9, 1931

Fig. 1

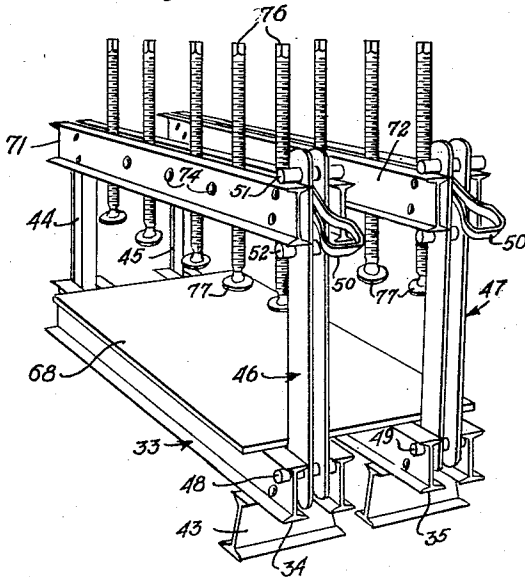


Fig. 4.

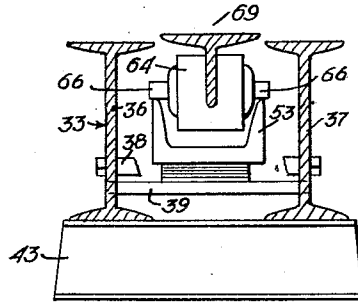


Fig. 5.

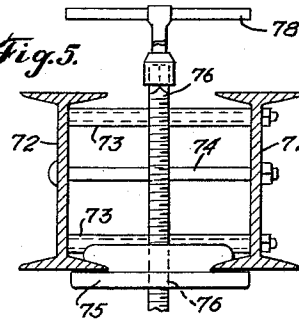


Fig. 2.

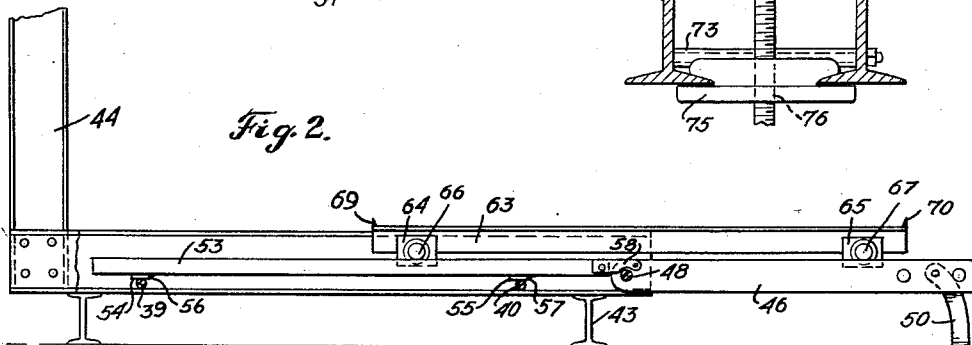
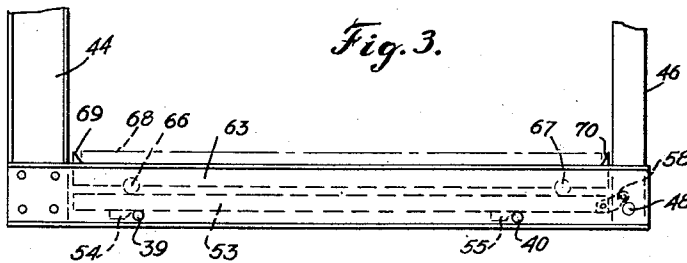


Fig. 3.



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UNITED STATES PATENT OFFICE

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VENEER PRESS

Application filed February 9, 1931. Serial No. 514,679.

My invention relates to presses in general. It more particularly relates to veneer presses into which a large stock of veneer is placed at one time.

5 The object of my invention is to provide a veneer press which will be strong and durable and admit the placing in and taking out of a large stock of veneer material with the greatest of ease and a minimum of labor.

10 Another object of my invention is to provide a press having adjustable means whereby the pressure can be shifted to such points as most needed.

With the foregoing and other objects in view the invention consists in the arrangement and combination of parts hereinafter described and claimed, and while the invention is not restricted to the exact details of construction disclosed herein, still for the purpose of illustrating a practical embodiment thereof, reference is had to the accompanying drawings in which like reference characters designate the same parts in the several views, and in which

25 Fig. 1 is a perspective view of the press.

Fig. 2 is a side elevational view of the press, opened, with parts broken away.

Fig. 3 is a side elevational view of press, closed, with parts broken away.

30 Fig. 4 is a transverse sectional view of base and carrier.

Fig. 5 is a transverse sectional view through header.

Referring now more specifically to the drawings, I show a veneer press having a base 33 made up of sections 34 and 35, each section consisting of two I-beams 36 and 37, and having spacing members 38 and bolts 39. The base members rest on sub-base members 40 43. To the rear end of the base members are fixed vertical end members 44 and 45.

The front, vertical end members 46 and 47, each consisting of two members in spaced relation, are primarily connected by pivot pins 48 and 49 to the base members 34 and 35 respectively. Positioned between the base members is a channel member 53 resting on the bolts 39 and 40. To the under side of the channel 53 lugs 54 and 55 are secured having inclined faces 56 and 57. The link 58 pivot-

ally connects the front end of the channel member 53 to the front-end member 46. A carriage member 63, having bearing blocks 64 and 65, adjacent its ends, and rollers 66 and 67 journaled in said blocks, rides over the channel member 53, and also over the front end member 46 when in an open position as shown in Fig. 2. A platform 68 constitutes a part of the carriage and is held in place by means of struck-up-ports 69 and 70.

The front end members 46 and 47 are provided with handles 50 which act as supports when said members are in an open position as shown in Fig. 2. To the upper ends of end members 46 and 47 are securing pins 51 and 52.

To the upper end of vertical end members 44 and 45 are fixed the header members 71 and 72, each member consisting of two I-beams held in spaced relation by spacer members 73, and reinforced by bolts 74. Slidably positioned on, and between the lower flanges of the header beams 72 are a plurality of blocks 75 having a screw threaded bore. Communicating with the screw threaded bores of the blocks 75 are screw threaded spindles 76 having enlarged bearing members 77 loosely connected to their lower ends, and having their upper ends adapted to receive the operating key 78.

In operation the front end members 46 and 47 are swung to a horizontal position so that the handles 50 rest on the floor and support the free ends of end members 46 and 47. As member 46 goes down the link 58 being eccentrically connected to the pivotal end thereof pulls the channel member 53 forwards. The lugs 54, 55 having inclined faces 56 and 57 secured to the lower side of the channel ride over the bolts 39 and 40 thereby bringing the top edges of said channel horizontally in line with the top edges of the two members constituting the end member 46. The carriage 63 is thus elevated above the base 33 and is free to be rolled from under the header onto the horizontal end member where it receives its load. When the carriage has been loaded it is then pushed back under the header, the front end member

being lifted by the handle. As said member goes up the connecting link forces the lugs off of their supports thereby lowering the carriage below the base members which then supports the platform with its load. The
5 spindles which are slidably adjustable forward or rearward are positioned and screwed down by means of a key.

Having thus described my invention what I claim as new and wish to secure by Letters
10 Patent is:

1. A press having a base, a header, a fixed end member, a pivotally disengaging end member, a connecting link, said base having
15 within itself a track member capable of being elevated and lowered with the operation of said pivotal end member through the instrumentality of said link.

2. A veneer press having a base, a movable track member within said base, a fixed end
20 member, a header, a swingable end member having a combination handle and supporting element, said end member being capable of aligning with and forming a continuation of said track member.

3. In a veneer press as described in claim 2 a header member having slidable adjustable block members, screw threaded spindles, said block members having screw threaded
25 bores, said spindles being in threaded engagement with the bores of said blocks, the spindles being capable of moving up and down with respect to said blocks.

4. In a veneer press having a base and a frame in combination with a track and a carriage and a platform, said platform being
35 held in position by finger members, said carriage being in movable contact with said track through the instrumentality of roller bearings when said press is in an opened position and in stationary contact with said base member when in a closed position as shown and described.

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