

Oct. 27, 1931.

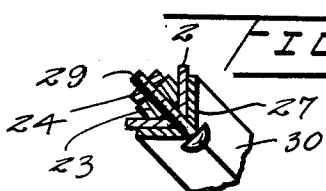
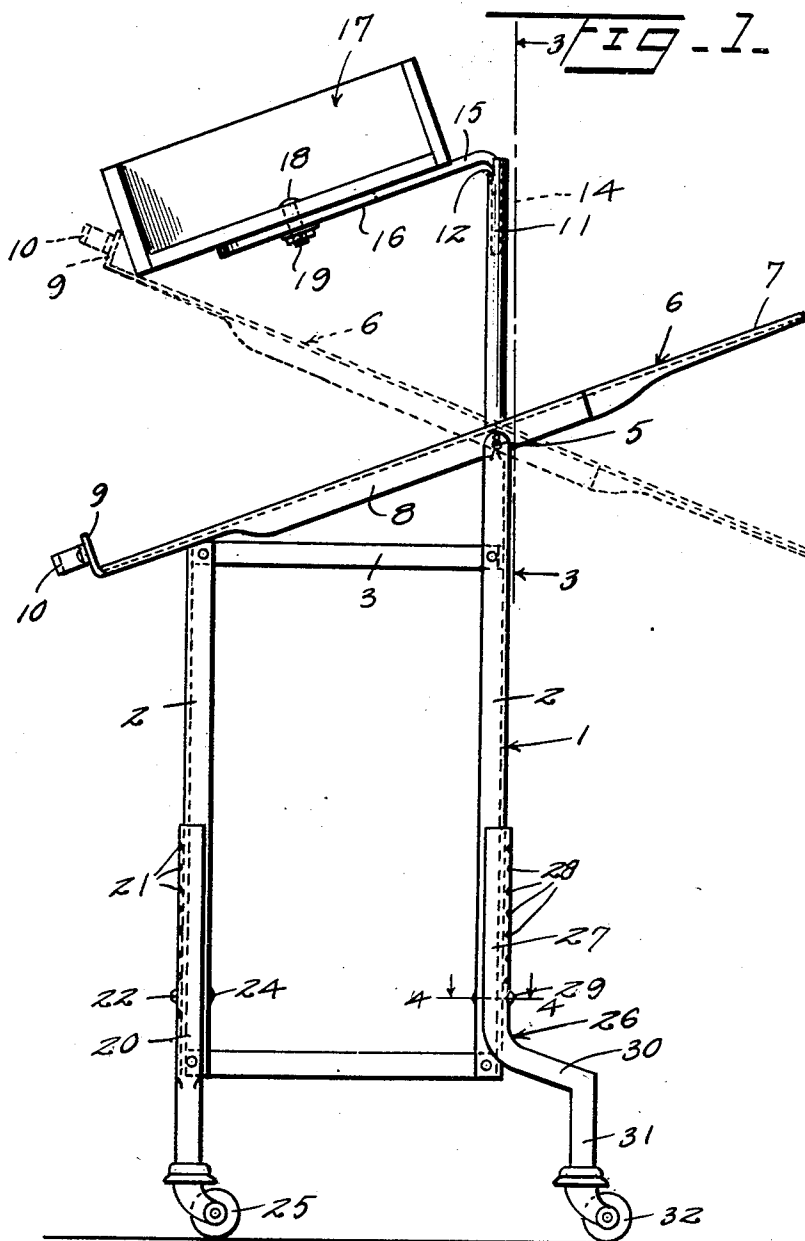
D. B. HENLEY

1,829,281

PACKING STAND

Filed June 11, 1929

2 Sheets-Sheet 1



Inventor

D. B. Henley

By

By Watson E. Coleman
Attorney

Attorney

Oct. 27, 1931.

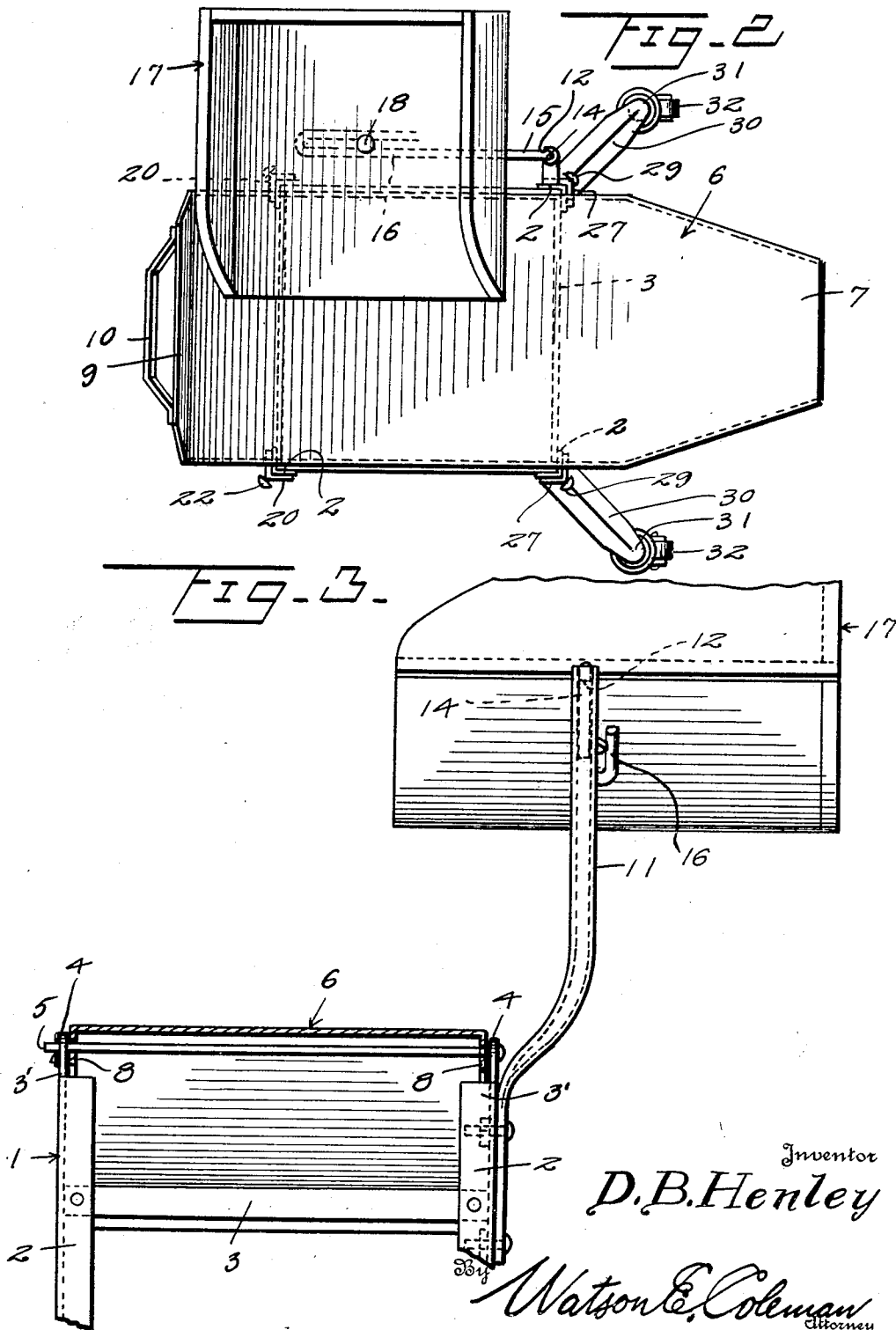
D. B. HENLEY

1,829,281

PACKING STAND

Filed June 11, 1929

2 Sheets-Sheet 2



UNITED STATES PATENT OFFICE

DENNIE B. HENLEY, OF YAKIMA, WASHINGTON

PACKING STAND

Application filed June 11, 1929. Serial No. 370,141.

This invention relates to the class of stands or supports and pertains to improvements in a stand for use by packers.

The primary object of this invention is to provide a packing stand having a tiltable top or platform from which a filled case or box may be discharged onto a suitable receiver, such for example as a endless conveyor, after the box has been filled by the packer.

Another object of the invention is to provide a stand of the above described character which may be readily raised or lowered as desired for the convenience of the packer.

Other objects and advantages of the invention will become apparent as a description of the same proceeds and the invention will be best understood from a consideration of the following detailed description taken in connection with the accompanying drawings forming a part of the present invention with the understanding, however, that the invention is not confined to any strict conformity with the showing of the drawings but may be changed or modified so long as such changes or modifications mark no material departure from the salient features of the invention, as expressed in the appended claims.

In the drawings:—

Figure 1 is a view in side elevation of the packing stand embodying the present invention.

Figure 2 is a view in top plan of the same.

Figure 3 is an enlarged transverse sectional view taken substantially upon the line 3—3 of Figure 1.

Figure 4 is an enlarged detailed view taken upon the line 4—4 of Figure 1.

Referring to the drawings in detail wherein like numerals of reference indicate corresponding parts throughout the several views, the numeral 1 indicates the frame of the present packing stand structure, which frame is of elongated rectangular design, as shown, and is arranged in upright position. The frame comprises the upright corner bars 2 which, as shown, are preferably formed of angle iron, and the top and bottom, side, and front and back rails 3 which are preferably formed of strap iron.

As shown, two of the upright members 2

of the frame are extended upwardly as indicated at 3' and each is formed at its upper end to provide an apertured ear 4. These extended bars are at the back of the stand and support the apertured ears 4 upon the shaft 5, which has its ends arranged in the apertures of these ears, an oscillatable platform 6. This platform, as shown, is relatively long and at its back part is slightly tapered, as indicated at 7 and intermediate the ends is provided along its sides with the depending flanges 8 through which flanges the shaft 5 passes. The forward end of the platform 6 rests upon the front bar 3 at the top of the frame and projects forwardly thereof a slight distance terminating in the upturned flange 9 against which a packing box is positioned when the stand is in use. The flange 9 of the platform has secured to the outer face thereof a holder 10 which an operator may grip to tilt the platform as hereinafter described.

Secured to one of the upright bars at the back of the stand is an upright arm 11, the upper portion of which is offset with respect to the platform 6, as shown. The upper part of this arm 11 is tubular and is open at its upper end and further has a portion of the wall at the open end cut away as indicated at 12.

Slidably extended into the upper end of the tubular arm 11 is one end of an angled tray supporting bracket. This bracket comprises two arms 14 and 15 which form an acute angle, one thereof, as for example the arm 15, having the free end thereof turned back to form a substantially U shaped terminal portion 16. The angular relation between the arms 14 and 15 of the brackets is such that when the portion 14 is engaged in the arm 11 with the portion 15 arranged in the cut away part 12 of this arm, the arm 15 will be substantially parallel with the surface of the platform 6.

The arm 15 supports a tray 17 which is open at one side, the bottom of the tray having a bolt 18 passed therethrough which extends downwardly through the U shaped portion 16 of the bracket to receive upon the side of this portion a securing nut 19. The open

side of the tray when in operative position is directed toward the platform 6, as shown. It will be seen that this tray may be oscillated in a small area at the side of the platform.

5 The stand is supported upon a plurality of leg members, one at each of the four corners thereof, as shown. The legs 20 which are at the forward corners of the stand each is formed of a length of angle bar material
10 through the corner of which is formed a longitudinally extending series of apertures 21. These legs each receive an upright corner member of the stand and has extended through one of the apertures 21 a suitable
15 holding screw 22 which passes through an aperture in the adjacent corner member. Upon its inner end the screw 22 carries a triangular washer 23 which fits into the angle of the adjacent corner member and also
20 carries the nut 24 which bears against the washer to hold the leg and corner member in connected relation.

The lower end of each of the legs 20 is formed to receive or have secured thereto a
25 suitable caster wheel 25.

The corner members 2 at the back of the frame have the legs 26 attached thereto and each of these legs comprises an angled upright portion 27 similar to the upper portion
30 of the legs 20 through the corner of which apertures 28 are formed. This angled portion of a leg receives a corner member in the same manner as the legs 20 and has passing therethrough a holding screw 29 which
35 extends through the adjacent corner member and holds the leg in the desired adjusted position.

The central portion of each of the legs 26 at the back of the stand is angled to extend
40 outwardly, as indicated at 30, offsetting the lower portion 21 thereof with respect to the stand in the manner shown, so that the casters 32 carried at the lower ends of the offset portions 31 extend forwardly and laterally
45 of the stand to better support the same when in use.

From the foregoing description it will be readily seen that with a stand of the character herein described a fruit packer or packer
50 of other articles may place the crate to be filled upon the platform 6 and adjust the stand by means of the adjustable legs 20 and 26 to the proper height so that the placing of fruit or other articles in the crate may be
55 accomplished with the minimum of effort. The platform 17 is provided for the support of wrapping paper used by the fruit packer for wrapping the individual fruits and is adjusted to the proper position to enable the
60 packer to remove the papers more conveniently during the packing operation. After completing the packing operation, the platform may be tilted, as shown, to allow the crate to slip from the forward end portion 7
65 thereof onto a suitable receiver such, for

example, as an endless conveyor by which it will be carried away from the packer.

The tipping movement of the platform 6 is limited by one angle portion of each of the rear legs and uprights 2 of the stand, the
70 upper edge of which angled portion is located, as shown, beneath the edge of the platform flange 8. It will thus be seen that the lower edges of the flanges will contact with the underlying edge of the stand upright 2
75 after the platform has been tilted to limit its movement.

Having thus described my invention, what I claim is:—

1. A packing stand of the character described comprising a base structure having a
80 pair of upright members projecting a substantial distance above the main portion of the base, a platform between and pivotally attached at opposite sides to said extended
85 upright members and resting upon the base to position at an inclination, and means for maintaining a receptacle upon the platform.

2. A packing stand of the character described comprising an upright frame structure, an oscillatable platform carried by the
90 frame structure, and caster wheel carrying legs each vertically adjustably secured to the frame, said legs at one side of the frame structure having the lower portions offset to
95 extend forwardly and laterally of the frame.

3. A packing stand comprising a supporting structure including a plurality of angled upright members, a body supporting platform carried by the supporting structure,
100 and legs for the supporting structure, each having an angled portion designed to receive an angled upright member and adapted to be vertically adjustably secured thereto, said
105 platform being tiltable for the discharge of a body therefrom and those legs beneath the discharge side of the platform being extended and offset forwardly and laterally of the frame.

4. In a packing stand, a body carrying
110 platform, means for supporting said platform for the tipping thereof, a supporting arm adjacent the platform, a bracket comprising a pair of arms, one swingably carried by said
115 first mentioned arm, a tray carried by the other of said bracket arms, said other arm having a portion of its free end reversely bent to form a slot, and a securing member attached to the tray and adjustably held in
120 said slot.

5. In a packing stand, a body carrying
125 platform, means for supporting said platform for the tipping thereof, a supporting arm adjacent the platform, a bracket comprising a pair of arms, one swingingly carried
130 by said first mentioned arm, and a tray adjustably carried by the other of said bracket arms, said first arm being tubular and upright and having a recess cut in the edge at the upper end and that portion of the

bracket at the connection between its arms lying in said recess and limited in its swinging movement by the edges of the recess.

5 6. A packing stand of the character described, comprising an upright base frame structure, a pair of vertically disposed members arranged at the rear of the structure and extending upwardly above the top thereof, an elongated platform disposed across the top
10 of the structure to extend upwardly and rearwardly from the front thereof between said upwardly extending members, and pivotal means between said members and said platform at a point rearwardly of the transverse
15 center of the latter whereby said platform may be tipped rearwardly but will normally assume the inclined position described.

7. A packing stand of the character described, comprising an upright base frame
20 structure, a pair of vertically disposed members arranged at the rear of the structure and extending upwardly above the top thereof, an elongated platform disposed across the top of the structure to extend upwardly and
25 rearwardly from the front thereof between said upwardly extending members, pivotal means between said members and said platform at a point rearwardly of the transverse center of the latter whereby said platform
30 may be tipped rearwardly but will normally assume the inclined position described, an upright arm having an inset lower end portion secured to one of said upwardly extending members, a bracket oscillatably carried
35 by said arm and having a portion normally disposed at an inclination and substantially parallel with the normal inclined position of the platform, and a tray carried by said portion of the bracket and disposed in the same
40 inclined position as the same.

In testimony whereof I hereunto affix my signature.

DENNIE B. HENLEY.

45

50

55

60

65