

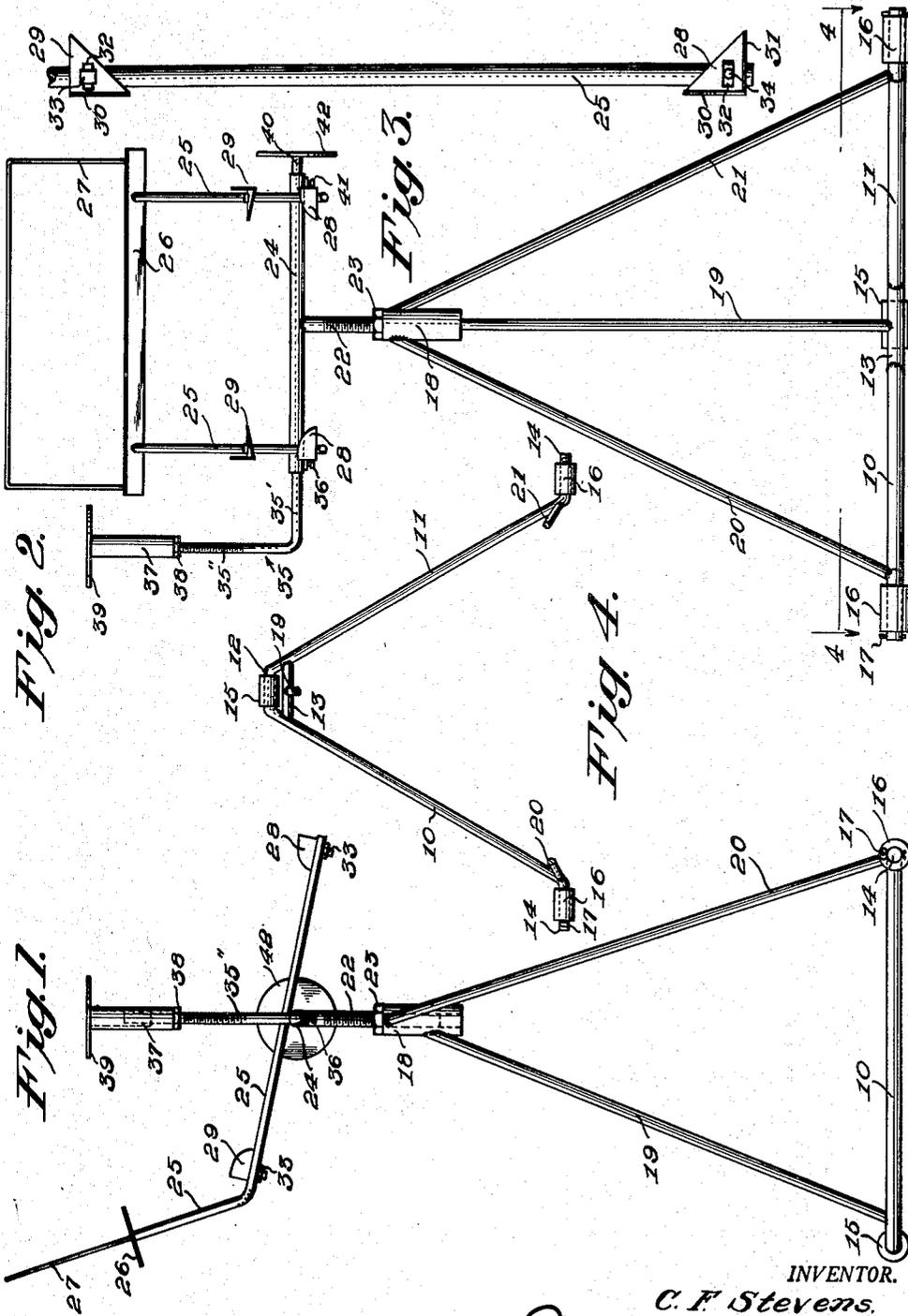
Feb. 17, 1953

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2,628,760

PACKING STAND

Filed Oct. 9, 1947



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2,628,760

PACKING STAND

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Application October 9, 1947, Serial No. 778,931

8 Claims. (Cl. 226—129)

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This invention relates to a packing stand.

More particularly, the invention is concerned with a stand for use in packing fruit, vegetables, and the like, and is constructed for supporting a box to be packed with fruit or vegetables as well as for conveniently supporting wrapping paper and cardboard guards.

A primary object of the invention is to provide a stand of the above noted character, which in use provides for easier and more rapid packing than has heretofore been possible in the use of various other supporting means.

A further object of the invention is the provision of a packing stand which is readily adjustable in many respects thereby adapting same for comfortable use by operators of varying heights as well as varying arm lengths.

A still further object of the invention is the provision of a packing stand which is capable of ready manufacture, in the most part, from piping or tubing and cylindrical rods, whereby it can be constructed at relatively low cost.

A further object of the invention is the provision of a packing stand which is relatively simple in construction, rigid, durable, and which is of maximum efficiency in use.

Other objects and advantages of the invention will become apparent in the course of the following detailed description, taken in connection with the accompanying drawing, wherein:

Figure 1 is a side elevational view of the improved stand in accordance with a preferred structural embodiment thereof.

Figure 2 is a front elevational view of the stand.

Figure 3 is an enlarged detail plan view of a portion of the stand.

Figure 4 is a sectional plan view in the plane of line 4—4, Fig. 2, on a reduced scale.

Referring now in detail to the drawing, a horizontal base structure is provided by a pair of relatively long, forwardly diverging pipe sections 10 and 11, which are interconnected at their rear closely adjacent ends by a short pipe section 12. The forward widely spaced ends of sections 10 and 11 are continued by short pipe sections 14 which are axially aligned, as indicated in Fig. 4. The sections 12 and 14 may originally be separate from sections 10 and 11 and be welded thereto, or a length of pipe may be bent in the provision of the sections 10, 11, 12 and 14, as indicated in Fig. 4. A short length of pipe 13 is disposed slightly in advance of section 12 and has its opposite ends welded to sections 10 and 11.

A cylindrical roller 15 is journaled on section 12, and similar rollers 16 are journaled on section 14 and retained thereon as by cotter pins 17. The rollers 15 and 16 provide for easy movement of the stand from one position to another, and each roller may be provided with an oil hole or other suitable lubricating means.

Vertically disposed above the base is an internally threaded sleeve 18, which is rigidly held

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in position at a fixed distance above the base by means of a rear leg 19 and front legs 20 and 21. These legs are preferably pipe sections and have their lower and upper ends respectively welded to the base and the sleeve 18. As indicated, leg 19 has its lower end welded to section 13, while the lower ends of legs 20 and 21 are welded to sections 10 and 11 adjacent the junctions of sections 14 therewith.

In order to provide for maximum support of the sleeve 18, the upper end of rear leg 19 is connected to the sleeve adjacent its lower end, while the upper ends of legs 20 and 21 are connected to the sleeve adjacent its upper end.

A threaded rod 22 has its lower end adjustably supported in the sleeve 18 and retained in adjusted position by means of a lock nut 23. The upper end of rod 22 is welded to a pipe section 24 intermediate the ends thereof.

A pair of cylindrical bars 25 are welded intermediate their ends to the section 24, and these bars are slightly inclined upwardly toward the rear of the stand.

As is more clearly shown in Fig. 1, the bars 25 are extended by sections 25' which are in angular relation to the bars and which approach a vertical position but are slightly inclined rearwardly to the vertical.

A shelf 26 is welded to the upper ends of the bar sections 25' and a confining bail 27 is supported above the shelf.

Box supports 28 and 29 are supported on the bars 25, and such supports are of like construction except that the upper ones 29 have side flanges 30 only, while the lower ones 28 have corresponding side flanges 30, together with end flanges 31.

The bases of the supports are triangular and are provided with elongated apertures 32 extending transversely of the bars and adapted to receive squared shanks of bolts 33 which extend through holes 34 in the bars.

By the provision of the slots 32, the supports may be readily adjusted laterally of the bars to provide for irregularity in the boxes or different sizes thereof, and since the upper supports have no end flanges, the upper end of a box may project beyond the supports 29 when the lower corners of the box are seated in the supports 28, the flanges 31 holding the box against downward sliding movement.

An L-shaped bar 35 has one leg 35' thereof slidably supported in the adjacent end of section 24 and adjustably held therein by a set screw 36. The other leg 35'' extends vertically and is threaded at its upper end and extended into an internally threaded sleeve 37 for vertical adjustment of the sleeve on the bar, and a lock nut 38 is provided for retaining any desired adjustment.

A disk 39 is secured to the upper end of the sleeve 37.

A rod 40 is slidably engaged in the other end

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of section 24 and is adjustably retained therein by means of a set screw 41 and a disk 42 is rigidly supported by the outer end of the rod 40.

In use of the improved stand above described, the section 24 is adjusted through the threaded-ly engaged sleeve 18 and rod 22 to suit the particular person doing the packing. The shelf 25 and bail 27 provide a rack for supporting cardboard fruit guards, and since same is symmetrically disposed with relation to the box supports, no adjustment is necessary, except vertical, and such is occasioned by the adjustment of the section 24 above referred to.

A paper board for holding fruit wrapping paper is adapted to be secured to the disk 39, and such disk may be conveniently adjusted for easy accessibility to the paper by the screw-thread vertical adjustment as well as the telescoping horizontal adjustment.

The disk 42 is adjusted to contact the fruit bin and retain the stand at a fixed distance therefrom. The supports 28 and 29 are then adjusted, if necessary, and the box placed therein and the stand is then ready for use.

It is to be observed that the stand as illustrated is for use by right-hand packers, and to adapt same for left-hand packers, the paper-supporting disk 39 and the disk 42 should be reversed.

From the above disclosure, it will be apparent that a packing stand is provided which, due to its marked simplicity, sturdiness, and ready adjustability, is well adapted for use in packing fruit, vegetables, and the like.

While I have disclosed my invention in accordance with a single specific embodiment thereof, such is to be considered as illustrative only, and not restrictive, the scope of the invention being defined in the following claims.

What I claim and desire to secure by U. S. Letters Patent is:

1. A packing stand comprising a horizontally disposed base, a plurality of leg members having corresponding ends thereof rigidly secured to the base, the leg members extending upwardly from the base and having their opposite ends rigidly connected with a vertically disposed sleeve member solely supported by said leg members, a vertically disposed rod adjustably supported in the sleeve member, and a horizontally disposed tubular supporting member rigidly connected intermediate its ends to the upper end of said rod and extending uninterruptedly across said end, said base comprising a pair of forwardly diverging cylindrical members, said members being interconnected at their rear closely adjacent ends by a relatively short cylindrical section, said diverging sections being further interconnected by a second relatively short cylindrical section adjacent the first relatively short section, the forward relatively spaced ends of the diverging sections terminating in relatively short cylindrical sections parallel with the first two relatively short sections, and a roller rotatably supported on each of the first and last two relatively short sections.

2. In a packing stand, a horizontal tubular supporting member, a vertically disposed fruit bin-engageable disk, and a rod supporting said disk and adjustably supported in one end of said tubular supporting member.

3. In a packing stand, a horizontal tubular supporting member, a pair of bars rigidly connected intermediate their ends to said tubular supporting member, said bars being of angular formation and including portions at one side of

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said horizontal tubular member which are inclined slightly from the vertical and in a direction away from said tubular member, and a fruit guard support connected with the upper ends of said inclined portions.

4. The structure according to claim 3, wherein said fruit guard support comprises an elongated shelf, and a confining bail connected with said shelf.

5. A packing stand comprising an upright support including a vertically adjustable horizontal tubular member, an L-shaped cylindrical bar having one leg thereof adjustably supported within one end of the tubular member, the other leg of said bar being vertically disposed, and a horizontal fruit-wrapping paper support vertically adjustably supported on said last bar leg.

6. A packing stand comprising an upright support including a vertically adjustable horizontal tubular member, a pair of bars rigidly connected intermediate their ends to said tubular member, said bars being of angular formation and including portions inclined upwardly, and a fruit guard support connected with the upper ends of said bar portions.

7. The structure according to claim 6, wherein said fruit guard support comprises an elongated shelf, and a guard-confining bail connected with said shelf.

8. In a packing stand, a horizontally disposed tubular supporting member, a pair of cylindrical bars connected intermediate their ends to said tubular supporting member, said bars being inclined upwardly from their forward ends, a pair of box supporting members carried by each bar in spaced relation axially of the bar, each of said box supporting members including a base plate having a connection with the respective bar for adjustment laterally thereof, and a box engageable flange extending upwardly from the base plate of each box supporting member.

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