

June 17, 1924.

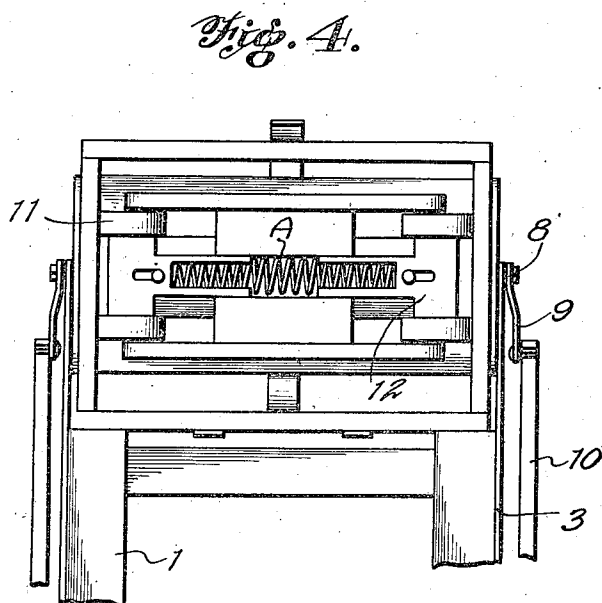
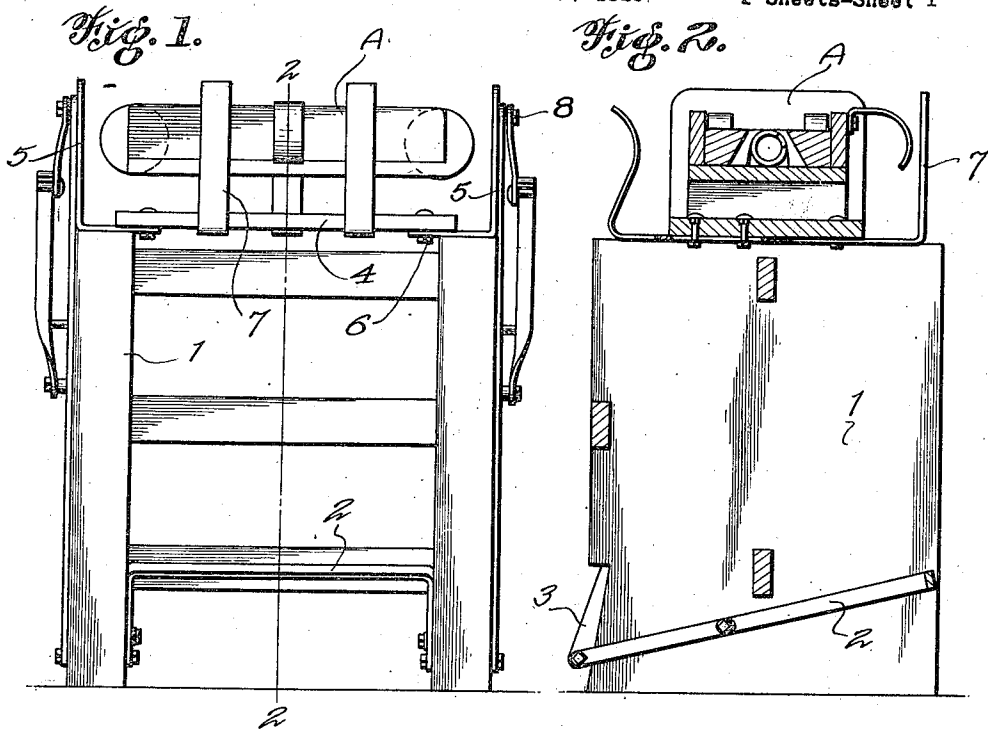
1,498,447

F. W. GIARD

BOX FORM AND STAND

Filed Nov. 12, 1923.

2 Sheets-Sheet 1



WITNESS:

R. E. Wise.

Fred W. Giard.

INVENTOR

BY *Victor J. Evans*

ATTORNEY

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Fig. 3.

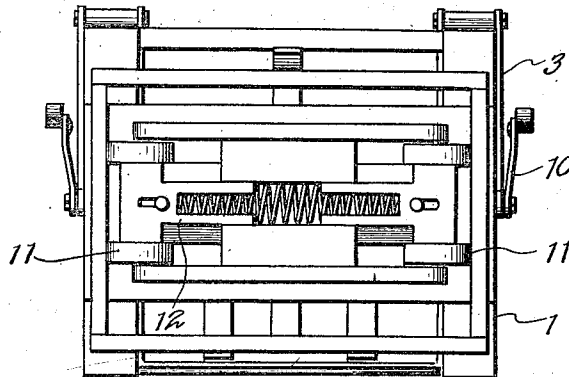
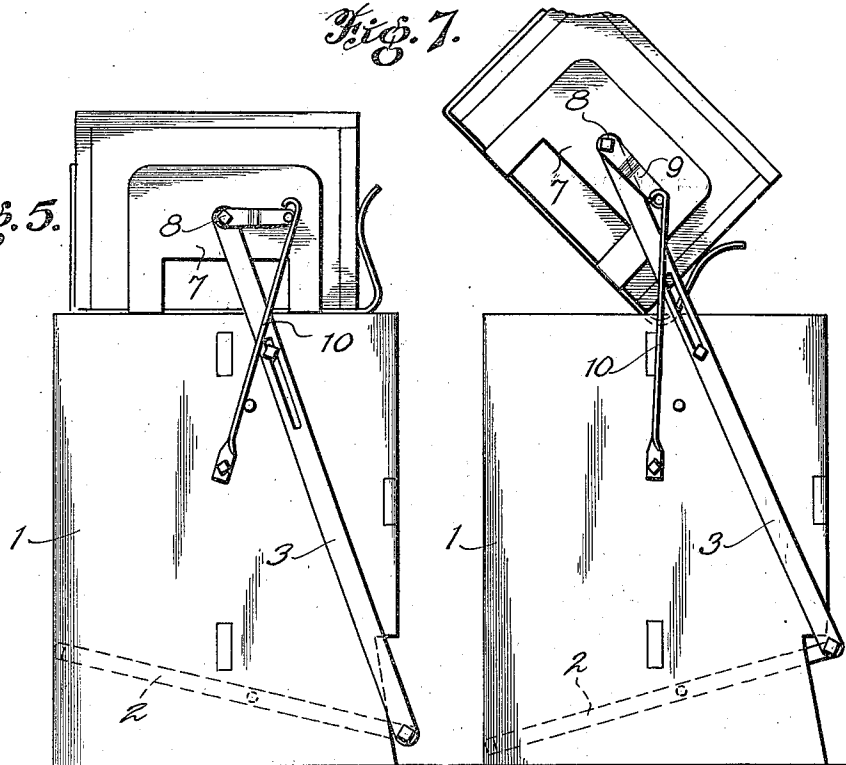


Fig. 7.

Fig. 5.



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WITNESS:

UNITED STATES PATENT OFFICE.

FRED W. GIARD, OF KENNEWICK, WASHINGTON.

BOX FORM AND STAND.

Application filed November 12, 1923. Serial No. 674,303.

To all whom it may concern:

Be it known that I, FRED W. GIARD, a citizen of the United States, residing at Kennewick, in the county of Benton and State of Washington, have invented new and useful Improvements in Box Forms and Stands, of which the following is a specification.

This invention relates to a box form and stand, the general object of the invention being to provide means for holding the parts of a box so that the same can be nailed together, this invention being an improvement over that forming the subject matter of my Patent No. 1,279,324, dated September 17, 1918.

An object of the present invention is to provide means for automatically turning the box to bring the different sides into nailing position as the holding elements are raised by the pedal.

Another object of the invention is to make the end holding pieces adjustable so that boxes of different sizes can be used in the device.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claim.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a front view of the device.

Figure 2 is a section on line 2—2 of Figure 1.

Figure 3 is a plan view.

Figure 4 is a view with the parts turned to hold one of the sides of the box uppermost.

Figure 5 is a side view.

Figure 6 is a detail view of a portion of the spring pressed member for engaging the interior of the box.

Figure 7 is a side view with the parts in tilted position.

In these views 1 indicates the stand to which the pedal 2 is pivoted, 3 indicating the arms which have their lower ends connected with the pedal and their upper ends connected with the box supporting frame which is shown generally at A. This frame consists of the base 4 to which the metal

end pieces 5 are adjustably secured by the bolts 6. The side holding strips 7 also fasten to this base. The end pieces carry the pivots 8 which are engaged by the arms 3 and a crank 9 is secured to one of these pivots, and this crank is adapted to be engaged by the hooked end of an arm 10 which is connected with the base. These parts are so arranged that when the pedal is depressed the hook engaging the crank will cause the frame A to be rotated a quarter turn to bring one side of the box uppermost so that it can be nailed to the ends, after which the hook releases the crank. When the pedal is again depressed the frame is again turned to bring the opposite side uppermost into nailing position. Thus the box carrying frame is automatically turned as the frame is lifted by the depression of the pedal.

The box elements are held in place by the end pieces and the strips 7 and the rollers 11 which are carried by the spring pressed parts 12 as described in the before-mentioned patent. After the bottom of the box is nailed to the sides and ends thereof the pedal is depressed to lift the frame and turn it as before described.

Thus it will be seen that my improvements consist in providing automatic means for turning the box carrying frame and in making the end supporting pieces adjustable so that the device can be used in connection with boxes of different sizes.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

In a device of the class described, a stand, a frame supported thereby and including a base, end pieces adjustably connected therewith, spring strips connected with the base, spring pressed members for pressing the ends of a box against the end pieces, a pedal carried by the stand, arms connecting the pedal with the end pieces of the frame, a crank pivoted to one of the end pieces and a hook member supported by the stand and engaging the pedal to turn the frame when it is lifted by the depression of the pedal.

In testimony whereof I affix my signature.

FRED W. GIARD.