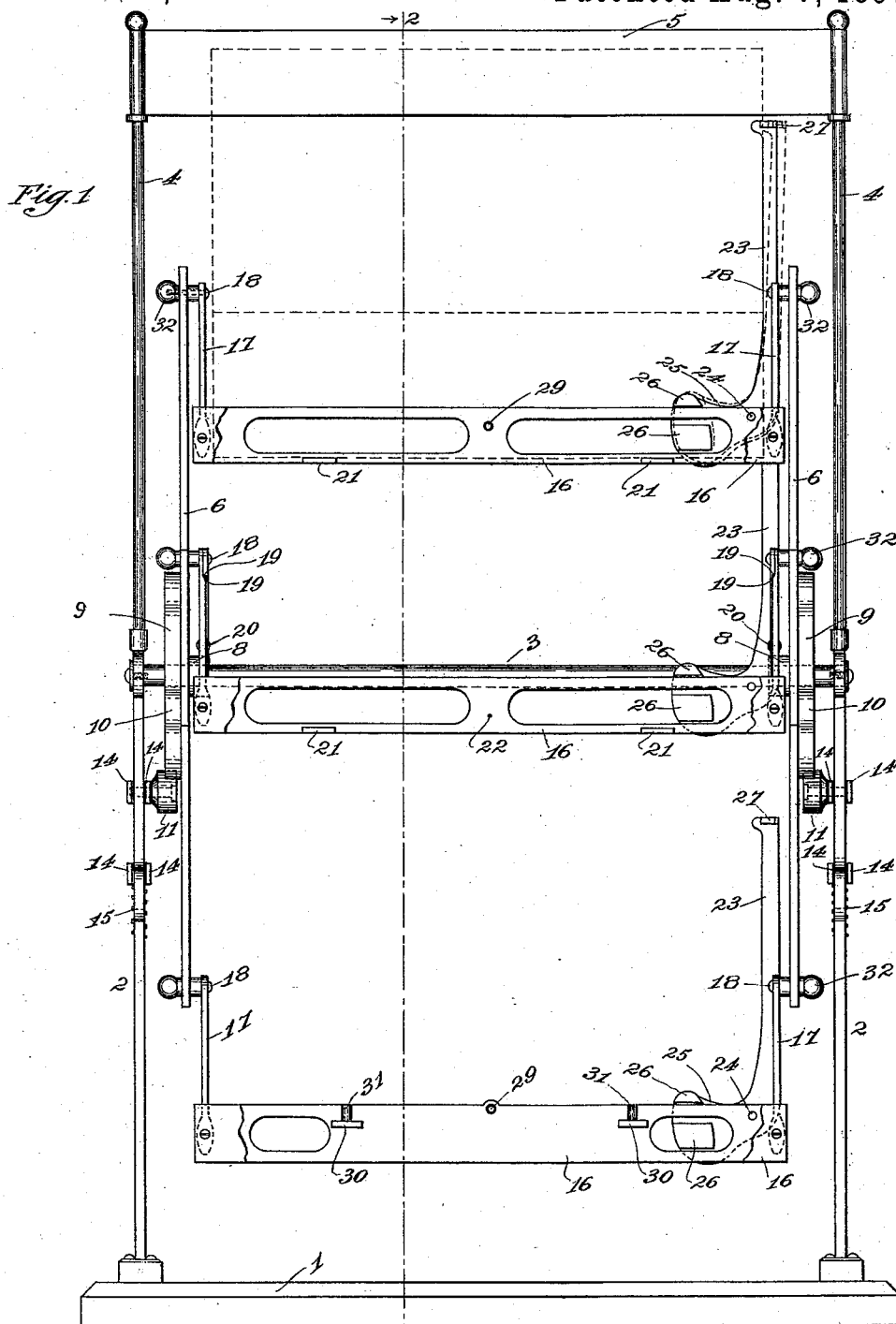


G. FUCHS.

REVOLVING SHOW AND ADVERTISING STAND.

No. 524,107.

Patented Aug. 7, 1894.



Witnesses:

Rudolph W. Doty

Inventor

Gustav Fuchs
By Charles C. Kennedy
Attorney.

(No Model.)

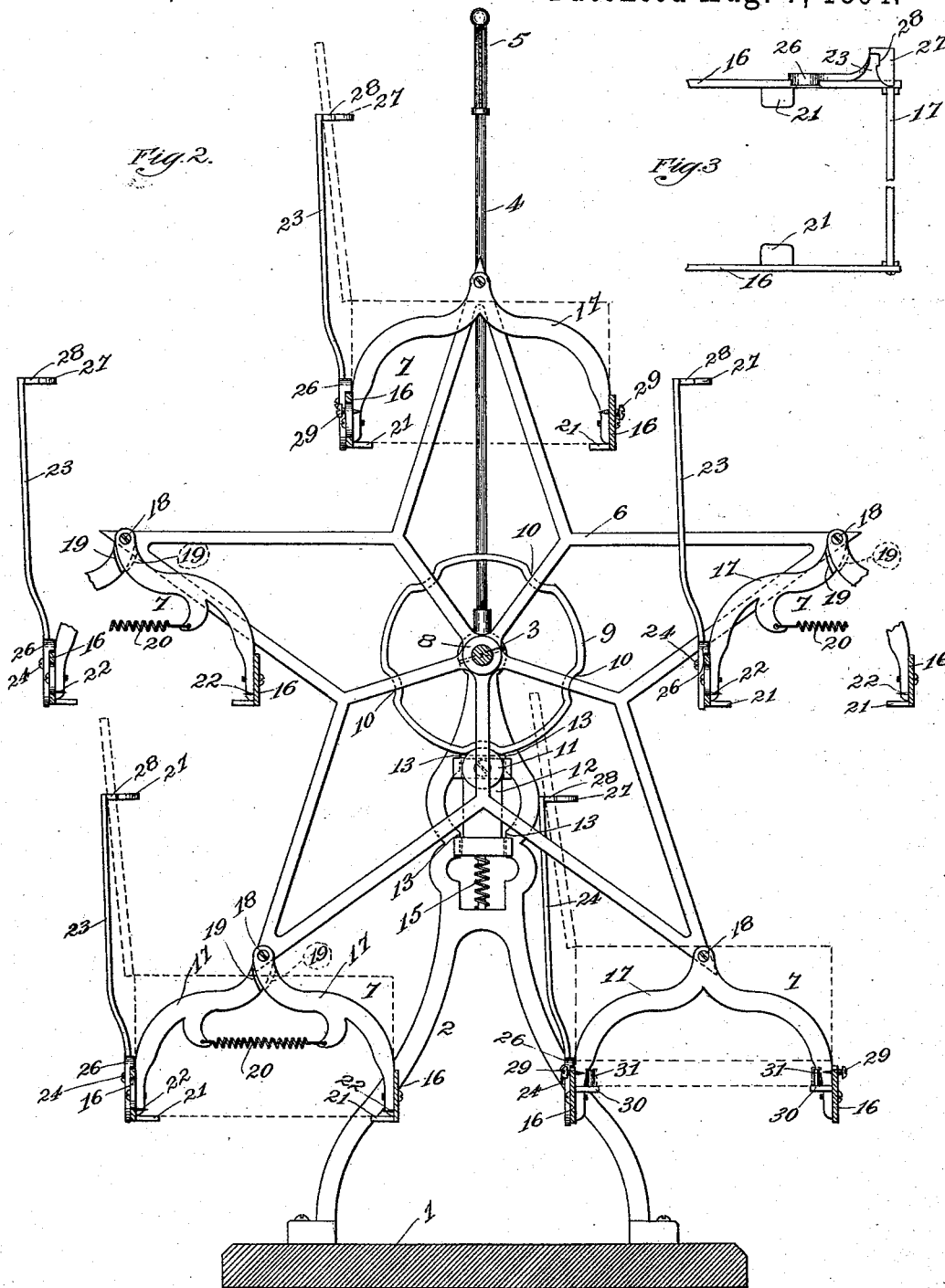
2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

GUSTAV FUCHS, OF CHICAGO, ILLINOIS.

REVOLVING SHOW AND ADVERTISING STAND.

SPECIFICATION forming part of Letters Patent No. 524,107, dated August 7, 1894.

Application filed April 21, 1894. Serial No. 503,535. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV FUCHS, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Revolving Show and Advertising Stands; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a novel construction in a display stand for packages, and more especially for holding and displaying boxes of cigars from which the cigars can be vended, the object being to provide a stand adapted to hold a plurality of cigar boxes in an attractive manner, and whereby the different boxes can be brought into a position convenient for obtaining access to the cigars.

The invention consists in the features of construction and combinations of parts hereinafter fully described and specifically claimed.

In the accompanying drawings illustrating my invention,—Figure 1 is a front elevation of a display stand with parts broken away for convenience of illustration. Fig. 2 is a vertical section of the same on the line 2—2 of Fig. 1 and showing package or box-holders of different construction. Fig. 3 is a fragmentary detail top plan of one of the package or box-holders.

Referring now to said drawings, 1 indicates the base supporting the side uprights 2 and upon which all the parts of the display stand are supported. A revoluble frame is carried by said uprights 2 and conveniently by a shaft 3 mounted upon said uprights 2 and extending between the same and upon which the revoluble frame is rigidly secured. The uprights 2 are provided with upwardly extending parts 4 that rise above the revoluble frame and are provided at their upper ends with a connecting cross-piece 5 that serves to steady the frame and by means of which the covers of the boxes are closed and may also be used for displaying an advertisement, or the like.

The revoluble frame consists of two wheels 6 made, preferably, in the form of a star for ornamental purposes and economy of construction, and the box-holders 7 that are sup-

ported near the periphery of the wheel, or, in the instance illustrated, at the points of the star. I have shown a five-pointed star wheel, but of course the number can be varied as found convenient. The said wheels are provided with hubs 8 rigidly secured to the shaft 3 and are also provided with a stop device for holding the frame in certain positions. For instance, in Fig. 2 the said stop device serves to hold the frame in the position therein shown and is arranged so that it will arrest the movement of the frame, to a certain extent, five times during each revolution.

The stop device consists broadly of a plurality of notches or shoulders upon the frame adapted to be engaged by a detent upon the uprights, and in the instance illustrated consists of a ring or curved bar 9 having a plurality of depressions 10 located to engage a projection 11 upon the uprights, said projection consisting of an anti-friction roller mounted upon a slide 12 set within guides 13 in the uprights. This slide 12 is provided with lugs 14 for holding it in position and a spring 15 is located between the lower end of the slide and the bottom of the guide slot and serves to hold the slide and the anti-friction roller in an elevated position.

It is preferable to arrange a stop device at each side of the display stand and it is obvious that when the wheel is turned the ring or curved bar 9 will move the slide against the action of the spring and permit the frame to be turned until another notch or depression 10 arrives opposite the anti-friction roller, whereupon the frame will be again engaged and can be turned from this position by the application of a little force.

The box-holders 7, as before referred to, are supported near the periphery of the wheel and in the wheels shown at the points of the star. The said box-holders consist of a rectangular frame piece having the sides 16 forming the base of the box-holder, and the ends 17 which rise at an angle from each side piece 16 and meet at an angle above the same. At the angle formed by the end pieces 17 a pivot 18 passes through the end piece 17 of the box-holder and through the adjacent portion of the wheel 6 of the revoluble frame. In this way a pivotal connection is made between each of the box-holders and the wheels, while

the center of gravity in each box-holder is below such pivotal connection, whereby the box-holders always retain their horizontal position.

5 In accordance with my invention I can employ box-holders varying in construction and in Fig. 2 have so illustrated the same, for instance, the upper box-holder and the lower right-hand box-holder are made with a rigid frame, while the other three box-holders have a pivoted or jointed frame, and it will be understood, of course, that all of the box-holders in any particular display stand can be made in accordance with any of these patterns.

15 The box-holder with the jointed frame is intended for use more especially in a display stand intended to hold boxes that may vary in size, while the box-holders with the rigid frames are intended for use for boxes of a certain size.

20 In constructing the boxes with the jointed frame the end posts 17 are made in two sections rigidly secured at their lower ends to the side pieces 16, while the pivot 18 passes through the upper ends of these sections of the end pieces 17. Near their upper ends the said sections of the end pieces 17 are provided with stops or shoulders 19 to limit the inward movement of the jointed sections of the box-holder. A spring 20 extends between the sections of the box-holder and serves to exert a stress to hold the sections together. The side pieces 16 have inwardly projecting lugs 21 near their lower edges upon which the box rests, and is also provided with inwardly extending points or pins 22 to enter the sides of the box and hold it rigidly in place. I have provided also an arm for holding the cover of the box in an elevated position which is adapted to engage said cover automatically when lifted. The said arm 23 is pivoted at its lower end by pivot 24 to the rear side piece 16 of the box-holder and has a lateral projection 25 provided with stops 26 that serve to limit the movement of said arm 23 and also to hold the arm rigidly in the path of the cover of the box. At its upper end the said arm is provided with a finger 27 having a notch 28 on its inner side to engage the side edge of the cover of the box when it is elevated, said finger and notch being made in the form of a latch so that the cover can be engaged and disengaged therefrom with the application of a little force. As shown in dotted lines in the drawings, when the cover of the box is raised it will first strike the finger of the arm and swing the arm on its pivot until it reaches the notch and is engaged thereby and held in an elevated position. The notch 28 is beveled around it slightly, so that while it holds the cover in a raised position said cover can be easily disengaged.

As shown in Figs. 1 and 2 the top cross-piece 5 between the extensions 4 of the uprights is arranged to encounter a cover of a cigar box when the latter is raised, and when

the revoluble frame is turned to the rear on top the upper portion of the cover will strike the said cross-piece and will be disengaged from the catch arm 23 when closed.

In the construction of the box-holder shown by the upper box-holder of Fig. 2, the frame of the box-holder is rigid and the points or pins for holding the box in place are carried by screws 29 that pass through the side pieces 16 of the box-holder, so that after the box has been inserted the screws can be screwed into place.

The lower right-hand box-holder of Fig. 2 and the lower box-holder of Fig. 1 is constructed so that it receives a box of a certain particular construction, for instance, the side pieces 16 have the inwardly projecting lugs 30 provided with uprising pins 31 and is also provided with screws 29 having pointed ends. With a box-holder of this construction the box must be provided with a bottom of extra thickness having in its lower face holes or grooves to receive the pins 31, as shown in dotted lines in Fig. 2.

The points of the wheel at which the box-holders are pivoted are provided with knobs or finger pieces 32, by means of which the revoluble frame can be easily turned. Of course it will be understood that the front side piece of the box-holders can be provided with any suitable advertisement, such as, for instance, the name of the cigars to be placed in the machine, and in Fig. 1 it will be noted that the front side piece 16 is broken away for the greater part of its length, to illustrate the construction of the rear side piece.

I claim as my invention—

1. A display stand comprising uprights, a revoluble frame mounted thereon, package holders pivoted to said revoluble frame and provided with devices for holding the cover of a package in an upright position, and a cross-piece or projection carried by said uprights to encounter said cover and release the same from the device holding it in a raised position to close the same as the frame revolves, substantially as described.

2. A display stand comprising uprights, a revoluble frame mounted upon said uprights and carrying a plurality of pivoted package holders, and a stop device located between the revoluble frame and uprights arranged practically as described to engage the revoluble frame at intervals, during its revolution, corresponding with the number of package holders carried thereby and arranged to automatically permit the revolution of said revoluble frame in either direction when force is applied to said revoluble frame, substantially as described.

3. A display stand comprising uprights, a revoluble frame mounted upon said uprights and provided with a plurality of pivoted package holders, and a stop device located between the said uprights and revoluble frame to engage and hold said revoluble frame at

intervals during its revolution corresponding with the number of package holders carried thereby, and to automatically permit the revolution of said revoluble frame in either direction when force is applied thereto, said stop device consisting of a yielding detent upon one of said parts, and a plurality of depressions or shoulders upon the other of said parts with which said detent can automatically engage or be disengaged in either direction, substantially as described.

4. A display stand comprising uprights, a revoluble frame mounted upon the same and provided with a plurality of pivoted package holders, and a stop device located between the said frame and uprights and consisting of a ring or rim upon said revoluble frame having a plurality of depressions or shoulders and a detent upon the upright to encounter said depressions or shoulders, substantially as described.

5. A display stand comprising the uprights, a revoluble frame mounted thereon and provided with a plurality of pivoted package holders, and a stop device located between the revoluble frame and uprights consisting of a ring or rim having a plurality of depressions, and a detent carried by a slide mounted upon the upright and held in engagement with the ring or rim by the stress of the spring, substantially as described.

6. In a display stand a package holder comprising a frame having side pieces 16 and end pieces 17, said side pieces 16 being provided with lugs to support a package and pins to enter said package, and said end pieces rising at an angle to the side pieces toward the cen-

ter where they meet at an angle, substantially as described.

7. In a display stand a package holder comprising a frame having side pieces provided with inwardly projecting lugs and upwardly projecting pins to enter recesses in the bottom of the package to be held thereby, substantially as described.

8. In a display stand a package holder comprising a jointed frame consisting of side pieces 16 provided at each end with uprising angular end piece sections pivotally connected at their upper ends, a spring for holding said jointed sections of the package holder together, and devices for supporting and engaging a package, substantially as described.

9. In a display stand a package holder comprising a frame having devices for holding a package therein, and a pivoted arm secured to the side piece of said package holder and provided at its upper end with a catch finger, substantially as described.

10. In a display stand a package holder consisting of a frame provided with devices for holding a package, and an arm pivoted to said frame and provided with a lateral extension having a stop to encounter projections on the frame, and weighted to hold the arm at the limit of its movement in one direction, and a catch finger at the upper end of said arm, substantially as described.

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

GUSTAV FUCHS.

Witnesses:

HARRY COBB KENNEDY,
RUDOLPH WM. LOTZ.