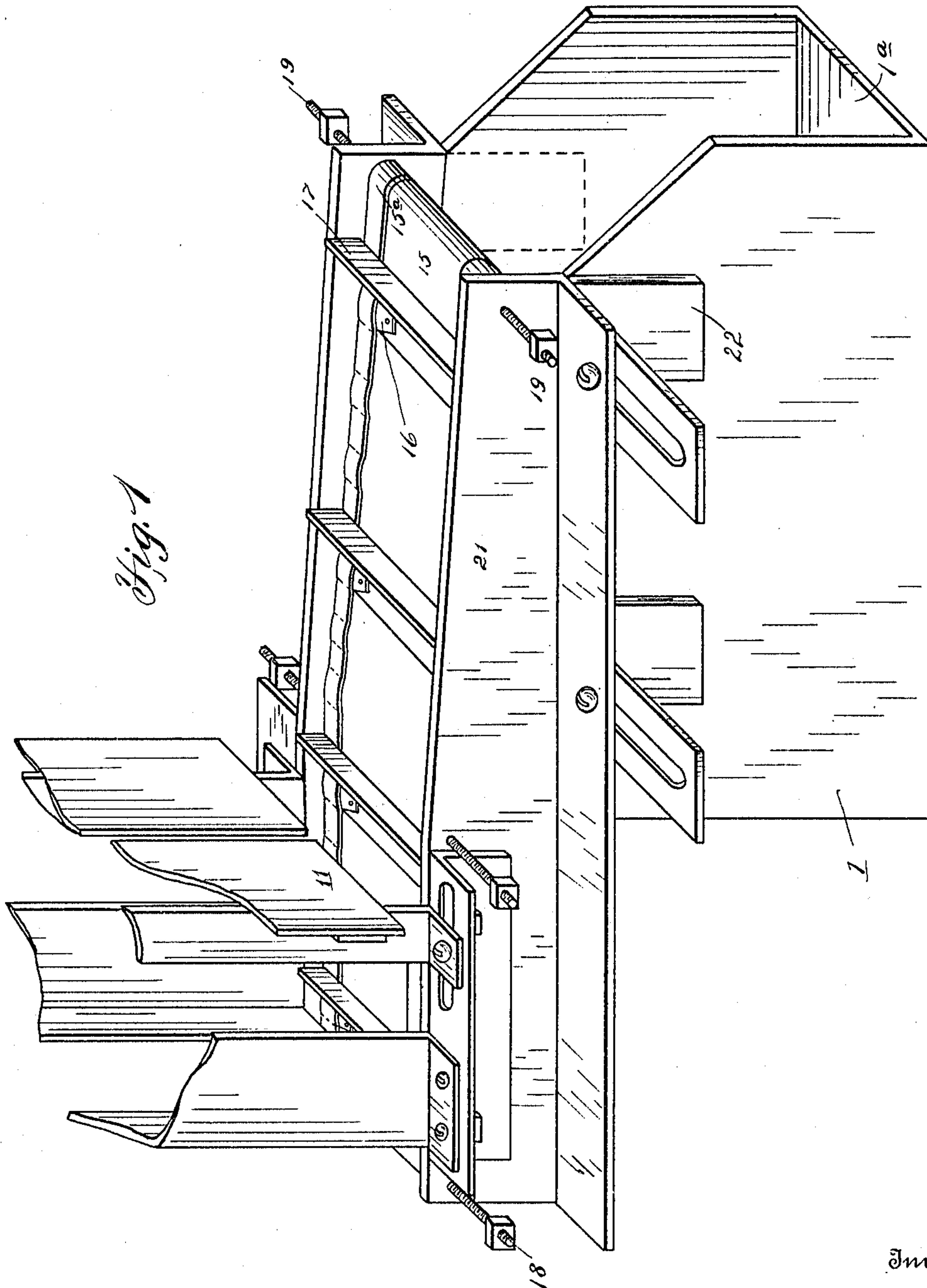


945,126.

J. N. KARR.  
VENDING MACHINE.  
APPLICATION FILED MAR 18, 1909.

Patented Jan. 4, 1910.

3 SHEETS—SHEET 1.



Witnesses

*N. Abramson*  
*Leta M. Gillespie*

Inventor

*J. N. Karr*

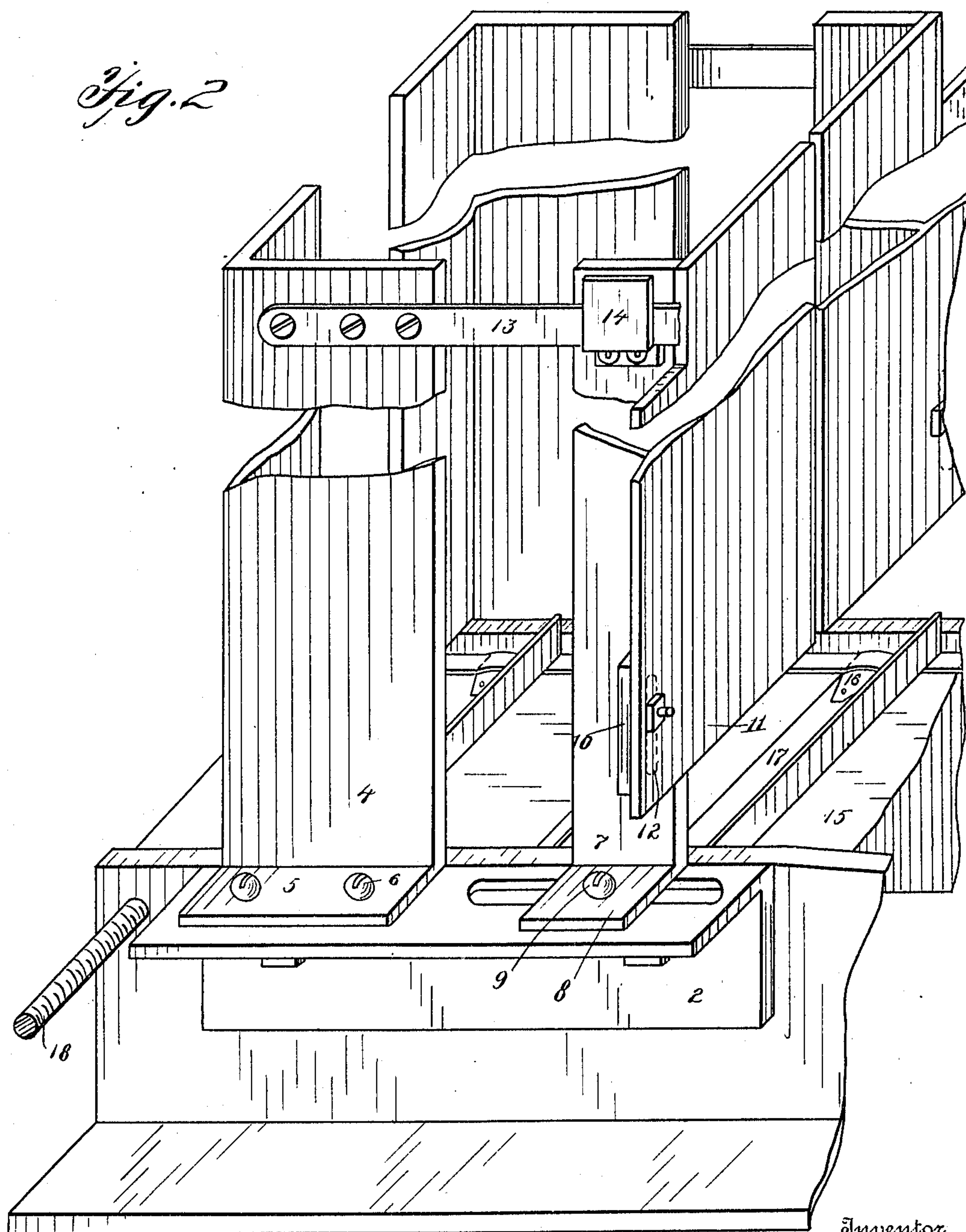
By *Alex. J. Wedderburn, Jr.*  
Attorney

945,126.

J. N. KARR.  
VENDING MACHINE.  
APPLICATION FILED MAR. 18, 1909.

Patented Jan. 4, 1910.

3 SHEETS—SHEET 2.



Inventor

*J. N. Karr*

Witnesses

*N. Abramson*  
*John M. Gillespie*

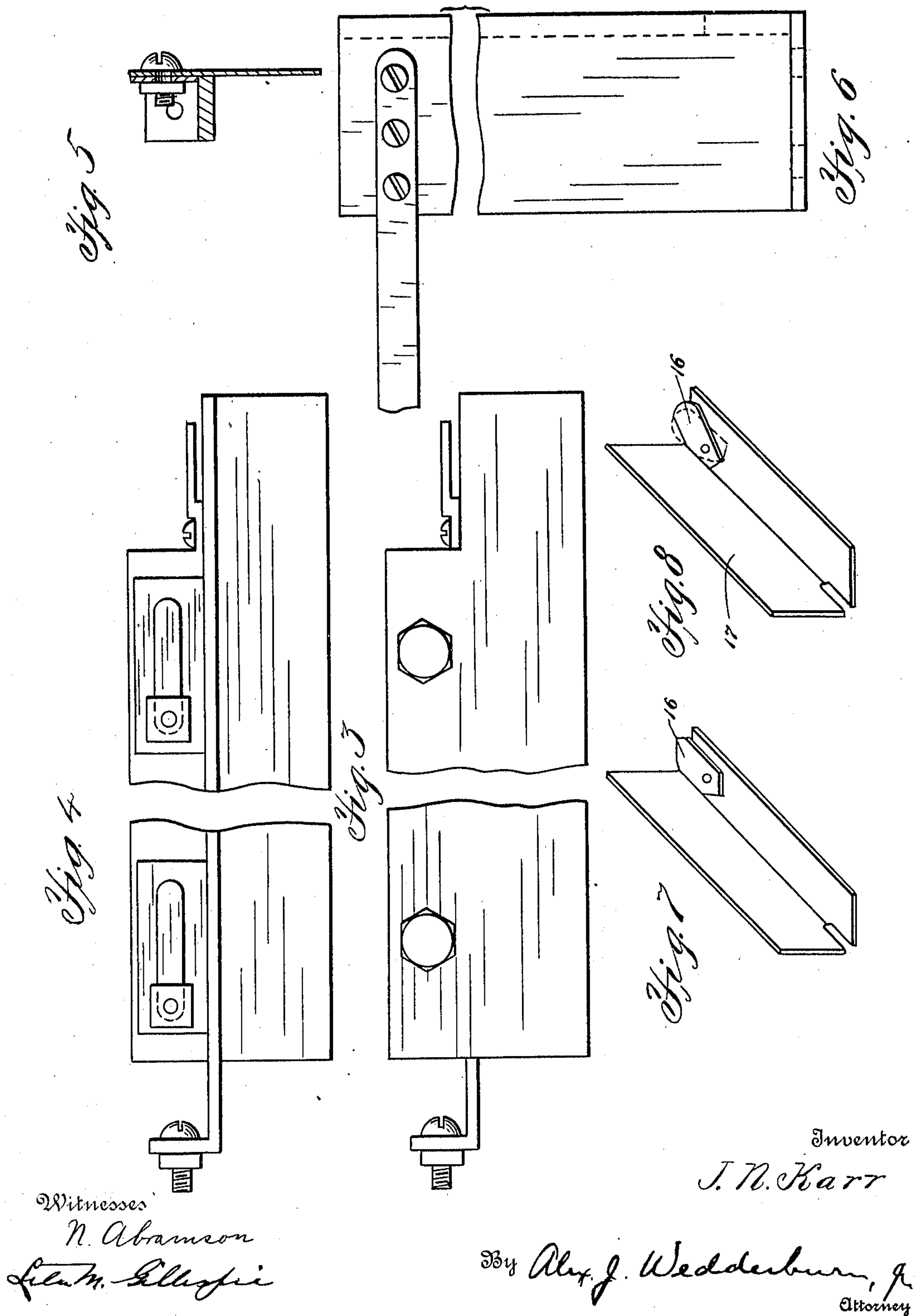
By *Alex. J. Wedderburn, Jr.*  
Attorney

945,126.

J. N. KARR.  
VENDING MACHINE.  
APPLICATION FILED MAR 18, 1909.

Patented Jan. 4, 1910.

3 SHEETS—SHEET 3.



Witnesses  
N. Abramson  
E. M. Ellsper

Inventor  
J. N. Karr  
By Alex. J. Wedderburn, Jr.  
Attorney



# UNITED STATES PATENT OFFICE.

JACOB N. KARR, OF ST. LOUIS, MISSOURI.

## VENDING-MACHINE.

945,126.

Specification of Letters Patent.

Patented Jan. 4, 1910.

Application filed March 18, 1909. Serial No. 484,215.

*To all whom it may concern:*

Be it known that I, JACOB N. KARR, a citizen of the United States, residing at St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Vending-Machines, of which the following is a specification.

This invention relates to vending or material delivering devices and particularly to that class employed in the dispensing of marketable goods.

One of the objects of the present invention is the production of means whereby different sized packages may be delivered from the same machine.

Another object of the present invention is the production of means embracing an adjustable supply magazine and adjustable delivering mechanism whereby different articles or articles of different sizes may be delivered from one machine.

With the above and other objects in view the invention embraces certain combinations, constructions and arrangements of parts clearly described in the following description, and in the accompanying drawings, in which,

Figure 1 is a perspective view of my improved mechanism, with the upper part of the magazine broken away, Fig. 2 is another perspective view showing the adjustable magazine, Fig. 3 is a detail side elevation of a frame portion, Fig. 4 is a sectional view thereof, Fig. 5 is a detail side view in section of a stop, Fig. 6 is a detail side elevation of a frame member, Fig. 7 is a detail perspective view of a conveyer member, and Fig. 8 is a similar view thereof, showing the locking mechanism of said member in a different position.

Referring to the accompanying drawings which are prepared for illustrative purposes and are accordingly not drawn to scale numeral 1 denotes a frame which may be formed U-shaped or in any convenient manner. The frame 1 has secured to its vertical sides, 1<sup>a</sup> right angular guides 2, having longitudinal extending slots therein. A magazine comprising vertical right angular rear members having outwardly bent ends 5, are secured thereby to the guides 2, by screws 6, adapted to hold the same in fixed positions. The forward part of the magazine is made up of upstanding vertical members 7 having outwardly bent ends 8 which are adjustably connected by screws 9 with the slotted por-

tions of the guides 2, whereby the forward members 7 may be adjusted on the frame 1 with relation to the rear members 4. The vertical magazine members 7 are provided with laterally extending arms or plates 10, on which are secured front vertical boards or plates 11, having vertical slots 12 therein, whereby said plates 11 may be vertically adjusted on the members 7. On the upper end of the rear magazine members 4 are secured forwardly extending guide arms 13 which are movable in brackets 14, secured on the upper end of the vertical forward members 7, whereby the forward magazine members may be braced in their various positions.

A delivering or conveyer chain 15, having latch members 16 pivotally secured on the conveyer blades 17, is movably supported on the frame 1 by means of shafts 18 and 19 which extend through rollers whereby said conveyer may be moved forwardly on the frame. One of the shafts 18, is located on the rear end of the frame 1 and the other shaft 19 is located on the forward end of the frame 1, so that the conveyer will move directly beneath the magazine and pick up the lower articles in the same. The shafts 18 and 19 may be provided with nuts 20 so that the adjustable side members 21 of the frame 1 may be extended on the slotted supporting guides 22 and held in fixed position. The conveyer chain or belt is provided with side straps 15<sup>a</sup> so that the blades 17 may be removably secured by means of the catches 16 thereto.

By means of the slotted front member 11 of the magazine the delivering opening of the lower portion thereof may be regulated so that articles of different thicknesses may be placed therein and delivered to the conveyer chain. By means of the slotted guides 22 the side members 21 may be moved in opposite directions so as to provide accommodation for large packages of different sizes or moved inwardly so as to provide accommodation for small packages of different sizes. By means of the slotted guides 2 the magazine may be quickly adjusted so as to provide for accommodations of packages of different widths. Consequently the device provides means whereby the magazine may be adjusted to hold and deliver packages varying in width, thickness or length, and the delivering mechanism may be simultaneously adjusted to provide for the delivering of the different sized packages. It will be



seen at once that the compound adjustment is simple and can be operated without any difficulty.

Having described my invention I claim  
5 and desire to secure by Letters Patent:—

1. In a vending machine, a frame, angular members on the sides of the frame, side members laterally adjustable on the angular members, brackets on the side members  
10 formed with slots extending transversely of the angular members, vertical hopper members on the brackets, means for adjusting the hopper members on the brackets and a conveyer movable on the side members.
- 15 2. In a vending machine, a frame, angular brackets formed with slots extending outwardly on the sides of the frame, side members located on the brackets, means extending through the slots for adjusting the  
20 side members on the brackets, angular brackets on the sides of the side members, hopper members located on the last angular brackets, means extending through the angular brackets last mentioned for adjusting the  
25 hopper members thereon, and a conveyer

movable between the side members and the bottom of the hopper members.

3. In a vending machine, a U-shaped frame, angular brackets on the sides of the frame, said brackets being formed with  
30 slots extending transversely of the frame, side members on the brackets, means extending through the slots for adjusting the side members thereon, angular brackets on the  
35 side members, said brackets being formed with slots extending longitudinally of the side members, hopper members adjustable on the last brackets, means for effecting said adjustment, a conveyer movable be-  
40 tween the side members and beneath the hopper members, means for supporting the conveyer on the side members, and pivotal members carried by the conveyer for secur-  
ing the same in place.

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

JACOB N. KARR.

Witnesses:

J. H. NIEHAUS,

W. P. BROWNING.