

No. 669,075.

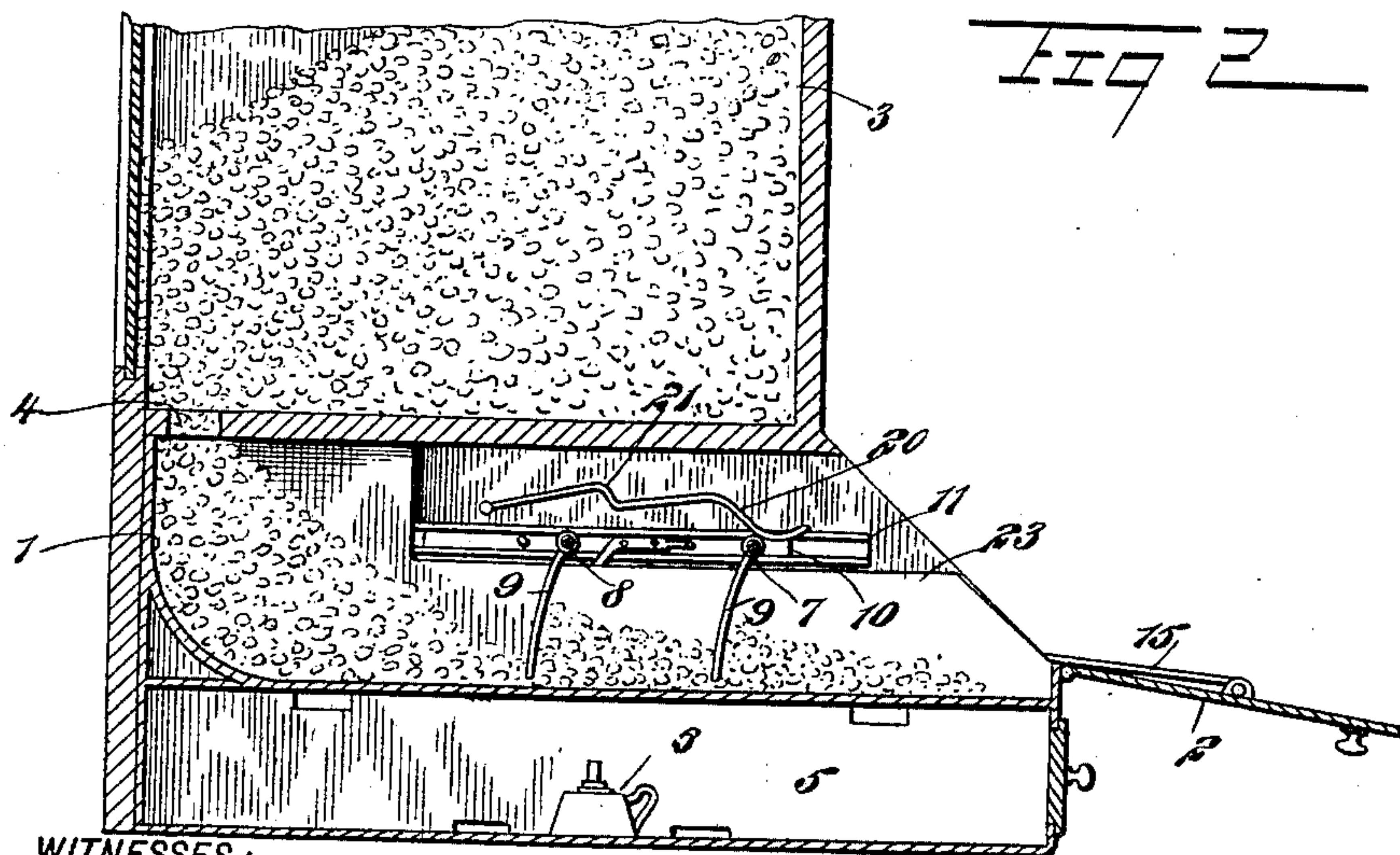
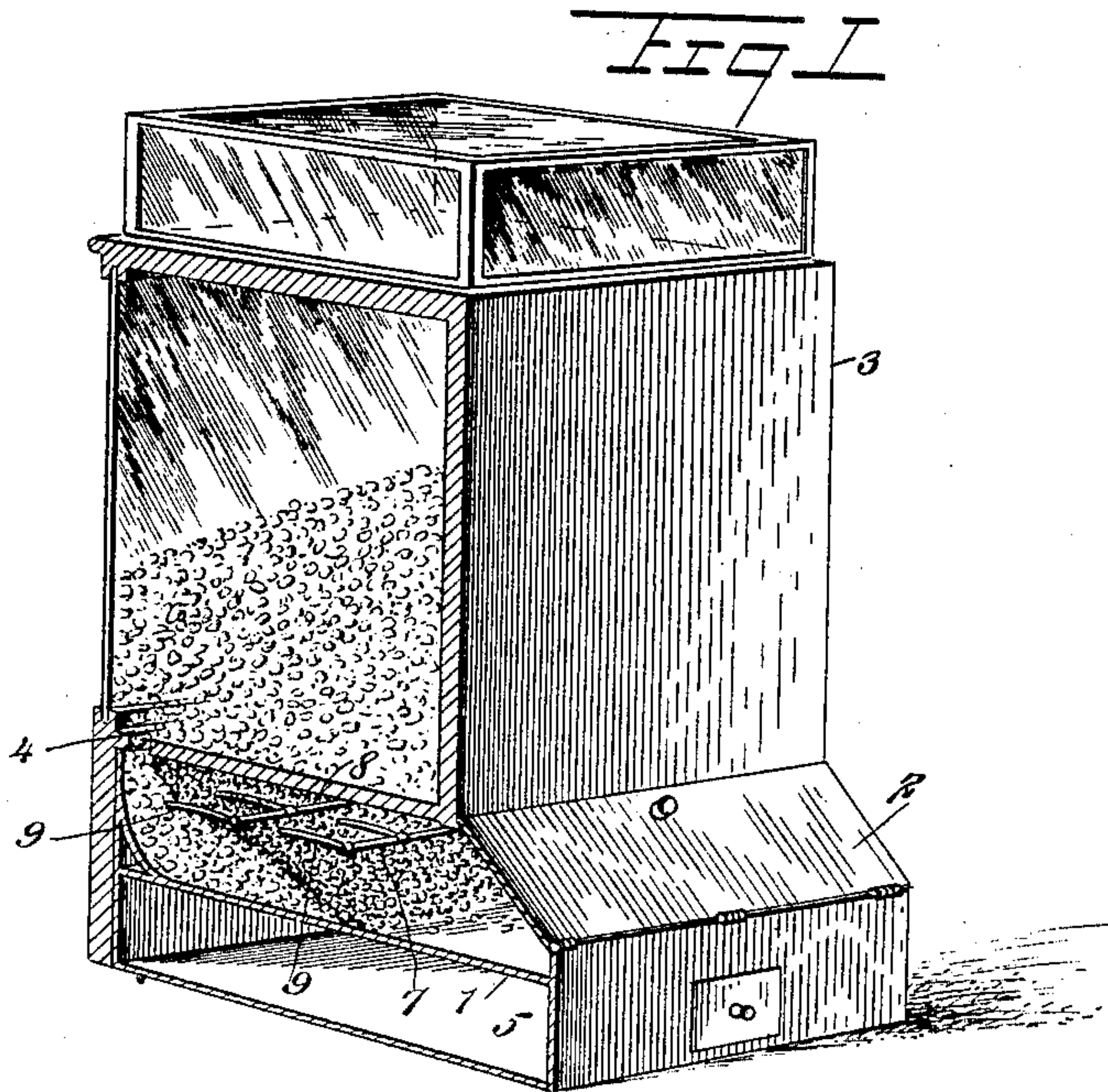
Patented Mar. 5, 1901.

F. B. CLAGGETT.
VENDING TRAY.

(No Model.)

(Application filed June 18, 1900.)

2 Sheets—Sheet 1.



WITNESSES:

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INVENTOR

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2 Sheets—Sheet 2.

Fig 3

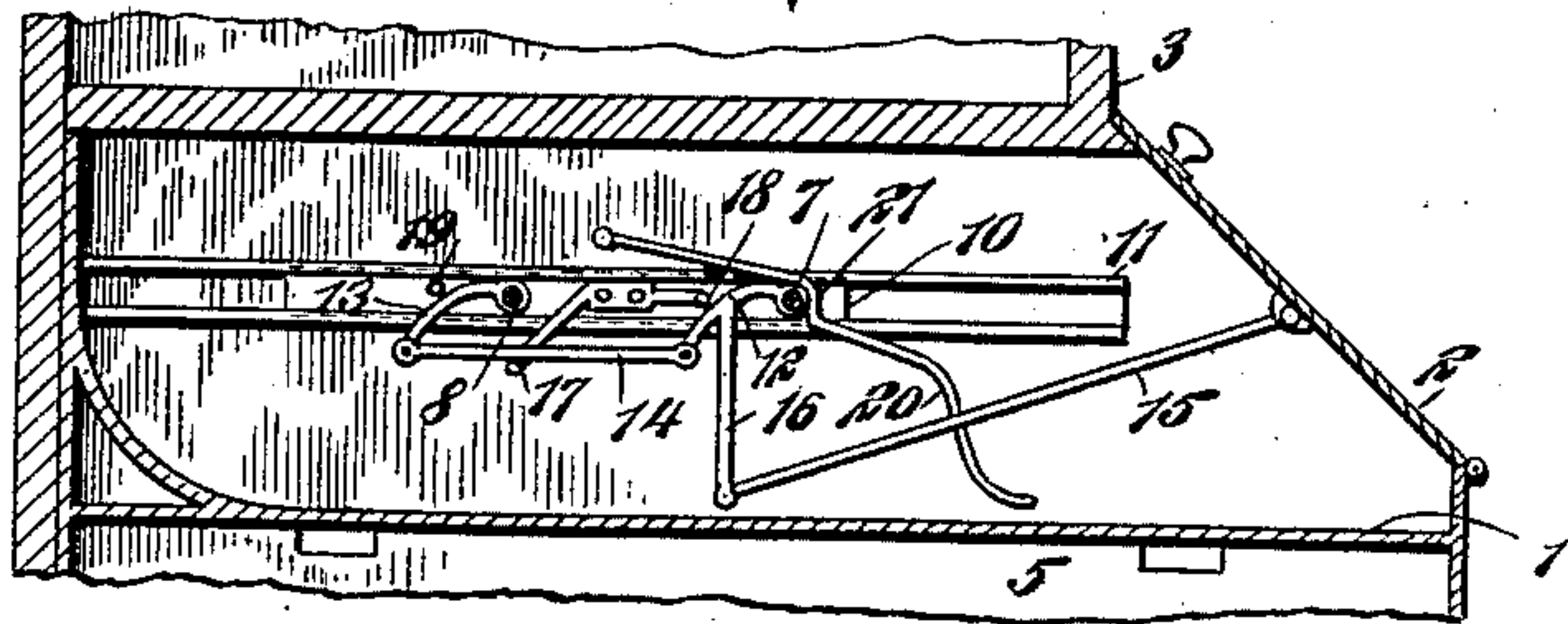


Fig 4

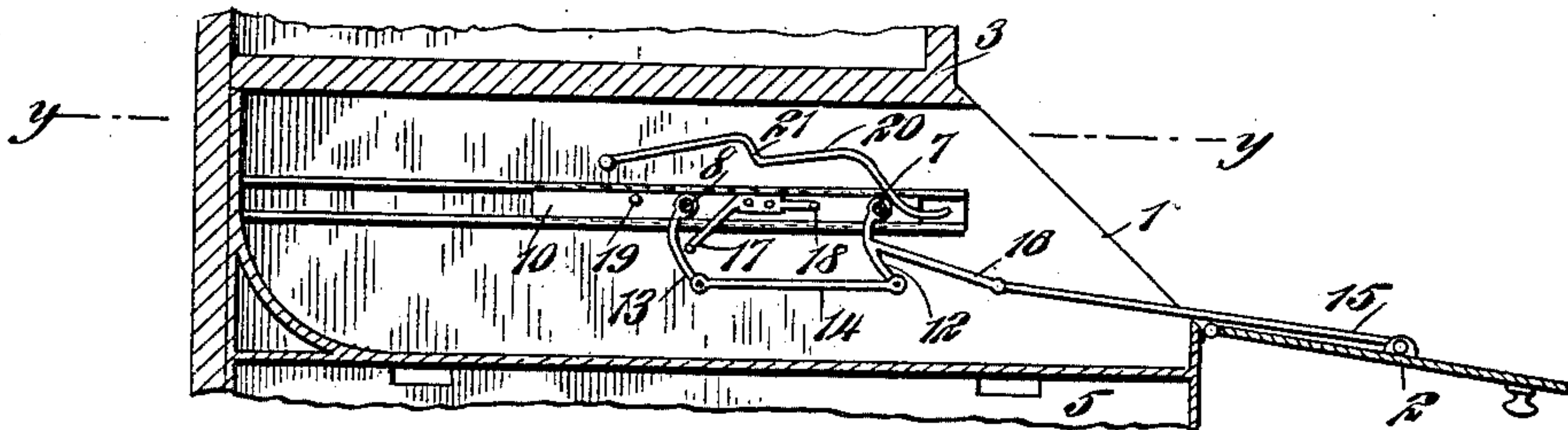
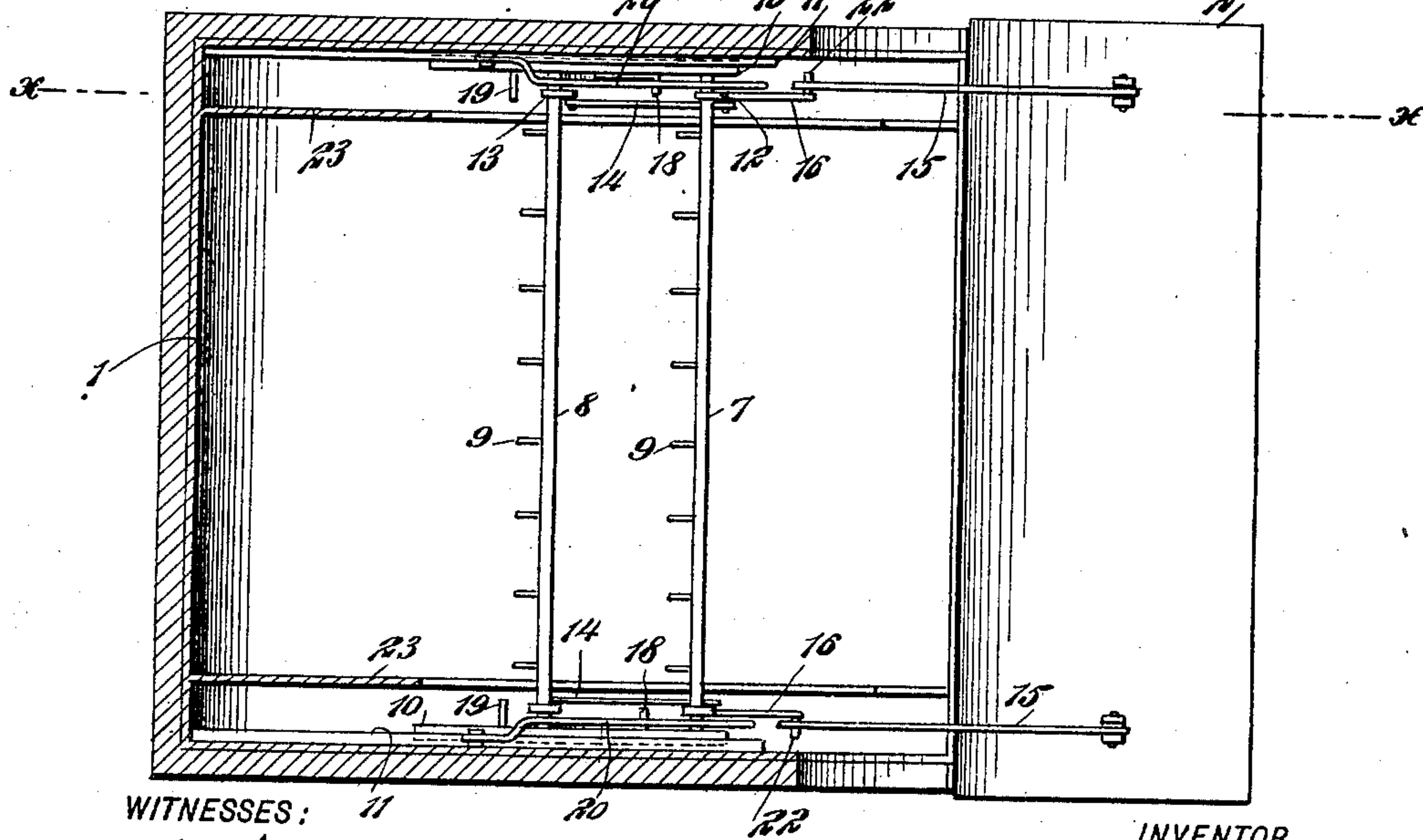


Fig 5



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UNITED STATES PATENT OFFICE.

FRANK B. CLAGGETT, OF NEW YORK, N. Y.

VENDING-TRAY.

SPECIFICATION forming part of Letters Patent No. 669,075, dated March 5, 1901.

Application filed June 18, 1900. Serial No. 20,755. (No model.)

To all whom it may concern:

Be it known that I, FRANK B. CLAGGETT, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Vending-Tray, of which the following is a full, clear, and exact description.

This invention relates to improvements in trays or receptacles for holding articles to be sold, such as peanuts or other articles designed to be kept warm; and the object is to provide a simple means for drawing the nuts or the like toward the outlet end of the tray or receptacle upon opening the cover.

I will describe a vending-tray embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view, partly in section, of a sales-tray embodying my invention. Fig. 2 is a sectional elevation thereof. Fig. 3 is a section substantially on the line $x x$ of Fig. 5, showing one position of the parts. Fig. 4 is a section on the line $x x$ of Fig. 5, showing the parts in another position, and Fig. 5 is a section on the line $y y$ of Fig. 4.

Referring to the drawings, 1 designates a tray or receptacle having an opening at its rear end provided with a swinging cover 2, the said cover here being shown as swinging in a vertical plane. Arranged upon the tray is a casing 3, which is designed to contain the greater portion of the nuts or other articles, and this casing communicates with the tray at its forward end through an opening 4. Below the tray is a chamber 5 for receiving a heating device (here shown as a lamp 6) for keeping the articles in the tray warm.

Extended across the tray and adapted to have a rocking motion and a movement toward the open end of the tray are shafts 7 and 8, and upon each of these shafts are curved fingers 9. The shafts at their ends have bearings in blocks 10, mounted to slide in guides 11, attached to the inner sides of the side walls of the tray. Arms 12 and 13 extend in a downward direction from the

shafts 7 and 8 and are connected at their lower ends by a link 14. The arms 12 or the arms connected to the shaft 7 are connected to the door 2 by means of rods 15, pivoted to lugs on the door, and at the inner ends they are pivoted to fingers 16, attached to said arms 12. The arms 12 and 13 are limited in their downward movement by means of stops 17 and in their upward movement by means of stops 18 and 19. These several stops are carried by the blocks 10.

In order to insure the rocking of the shafts sufficiently to project the fingers 9 into the tray before the said shafts are moved toward the opening of the tray, I employ retarding devices (here shown as rods 20) pivoted to the side walls of the tray and having intermediate of their ends shoulders 21 for engaging with the shaft 7, and the free ends of these retarding devices are curved downward and upward to be engaged by pivot-pins 22, connecting the arms 16 and the rods 15. These several parts with which the ends of the shafts engage are arranged between the side walls of the tray and partitions 23, which will prevent the peanuts from coming in contact or engagement with said parts.

In operation the shafts will be in such position that the fingers 9 will be substantially horizontal over the peanuts in the tray, as indicated in Fig. 1. Then by swinging the door toward its open position the shafts will be rocked, causing the fingers to enter the peanuts in a substantially vertical position. As before stated, the shafts will be prevented from movement toward the opening of the tray by means of the stop devices 20. After the shafts shall have been rocked, however, the curved ends of the stops will come in engagement with the pivots 22, so that upon the further opening movement of the door the stop devices 20 will be rocked upward out of engagement with the shaft 7, and then the shafts, with the fingers, will be drawn forward in completing the opening of the door, which of course will draw a supply of peanuts toward the opening of the tray. Upon closing the door the parts will be returned to their normal position.

While I have shown two shafts provided with fingers and also stops at each end, it is obvious that a single shaft may be employed

and a single stop without departing from the spirit of my invention.

Having thus described my invention, I claim as new and desire to secure by Letters

5 Patent—

1. In a vending device, a tray or receptacle, shafts extended across said tray or receptacle, fingers on said shafts, a swinging door, and connections between said door and the shafts,
10 whereby the shafts may be rocked and then moved toward the opening of the tray or receptacle, substantially as specified.

2. A vending-tray, comprising a tray, shafts extended across said tray, sliding blocks in
15 which said shafts have their bearings, arms extended downward from the shafts, link connections between said arms, a swinging door, and a connection between one of said arms and the door, substantially as specified.

20 3. In a vending-tray, a tray, shafts extended across said tray, guides on the inner walls of said tray, blocks movable in said guides and in which the shafts have their bearings, arms extended from the shafts, link connections
25 between the arms of the shafts, stop devices for said arms, a swinging door, a connection between said door and one of said arms, and fingers on the shafts, substantially as specified.

4. In a vending-tray, a tray, a shaft extended across said tray, fingers on said shaft, sliding blocks in which said shaft has its bearings, an arm extended from said shaft, a swinging door, a connection between said arm and said door, a stop device adapted for engagement
35 with said shaft to hold it from sliding motion during its rocking motion, and means for releasing said holding device to permit a sliding motion of the shaft, substantially as specified.

5. A vending device, comprising a tray, a casing on the tray and communicating with the tray, a door for the tray, a shaft extended across the tray, fingers on said shaft, and connections between the shaft and the door
40 for causing a rocking movement of said shaft to project the fingers into the articles in the tray and then to cause a sliding movement of the shaft and fingers during the opening of the door, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANK B. CLAGGETT.

Witnesses:

JNO. M. RITTER,
C. R. FERGUSON.