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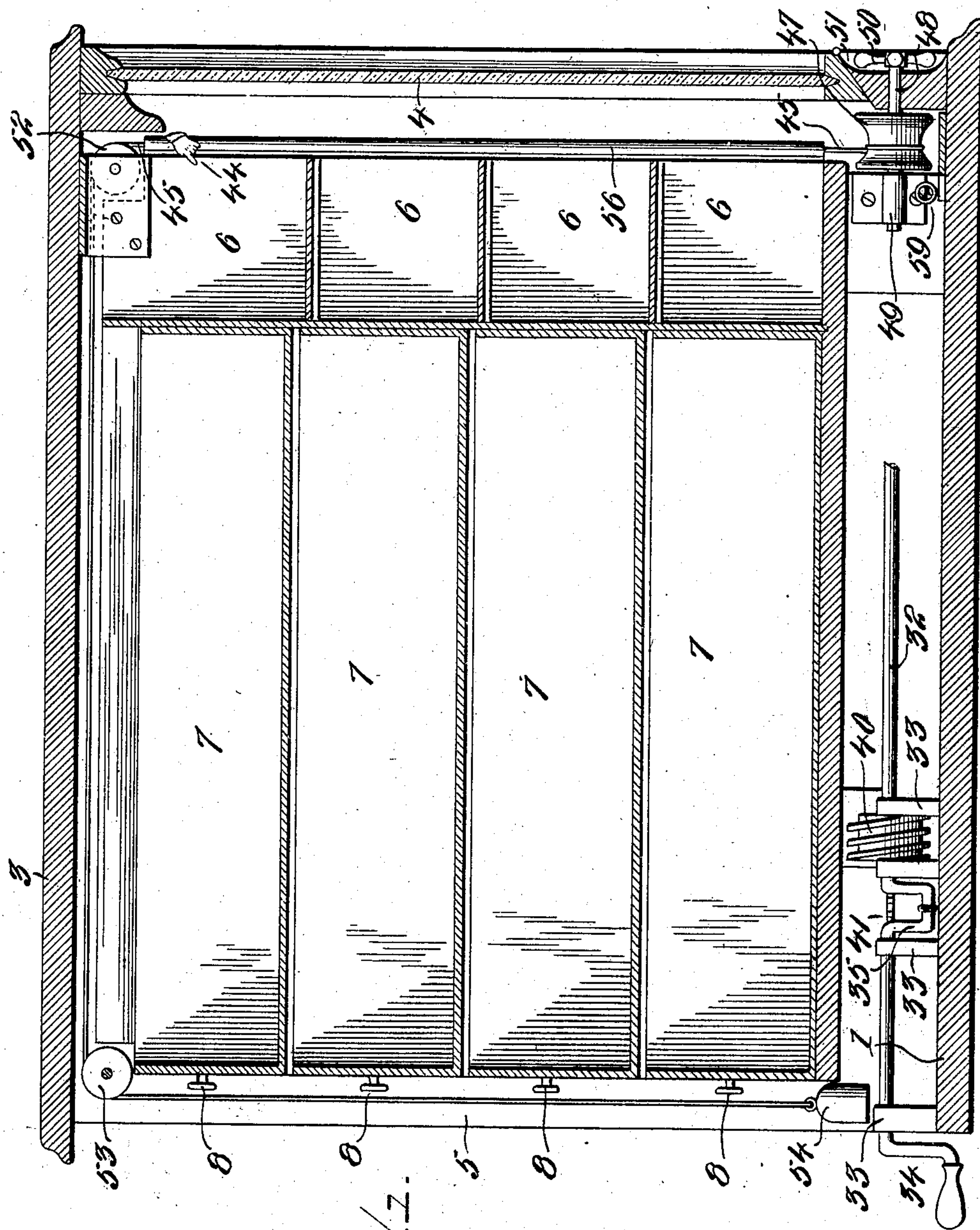
PATENTED JUNE 23, 1908.

J. B. HURD.

ARTICLE DELIVERY SHOW CASE.

APPLICATION FILED OCT. 18, 1907.

3 SHEETS—SHEET 1.



WITNESSES:

W. F. Kay
M. A. Bond

INVENTOR

Judson B. Hurd

BY

E. A. Bond

Attorney

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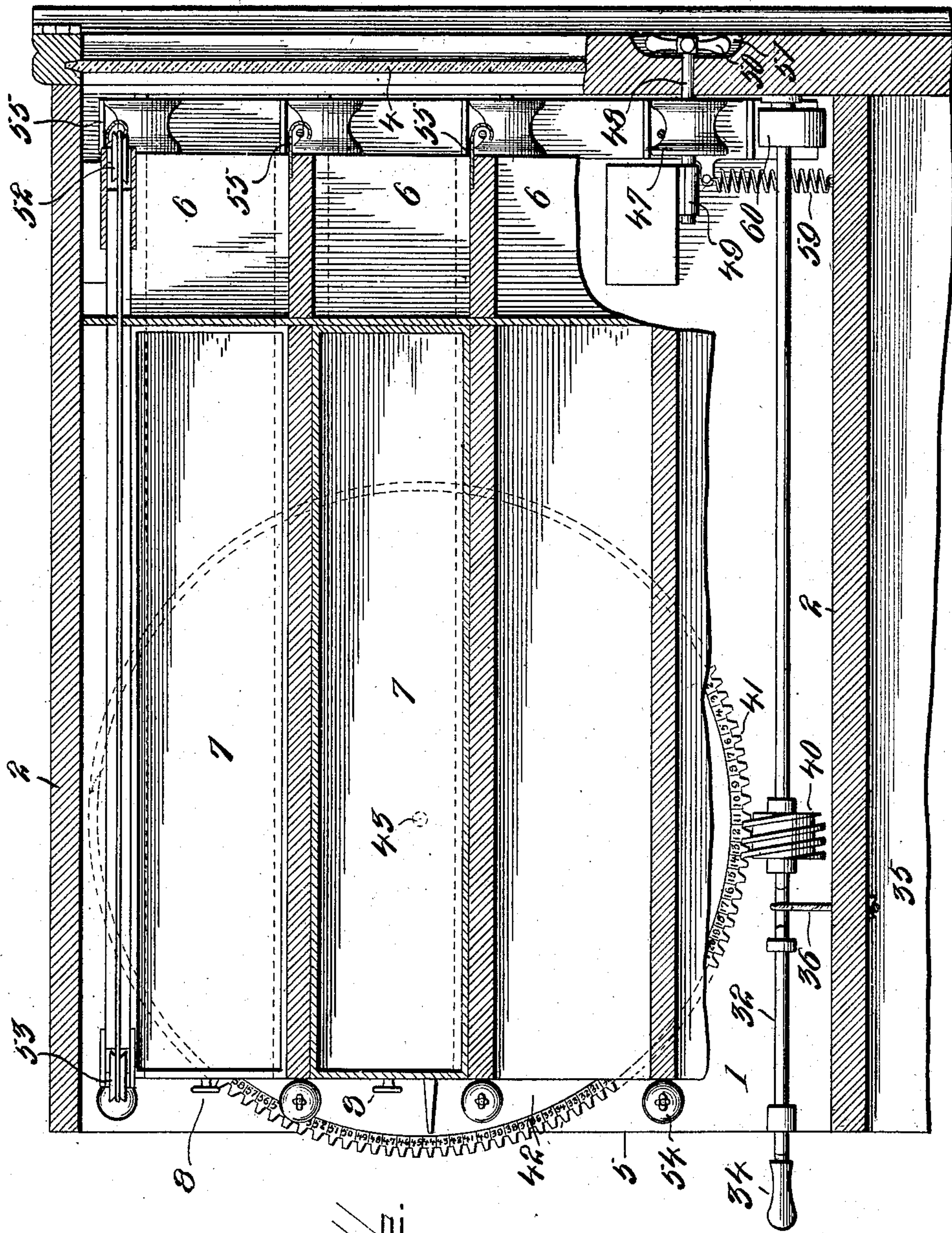
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WITNESSES:

H. F. Kayle.
M. A. Bond.

INVENTOR

Judson B. Hurd

BY

E. A. Bond
Attorney

No. 891,544.

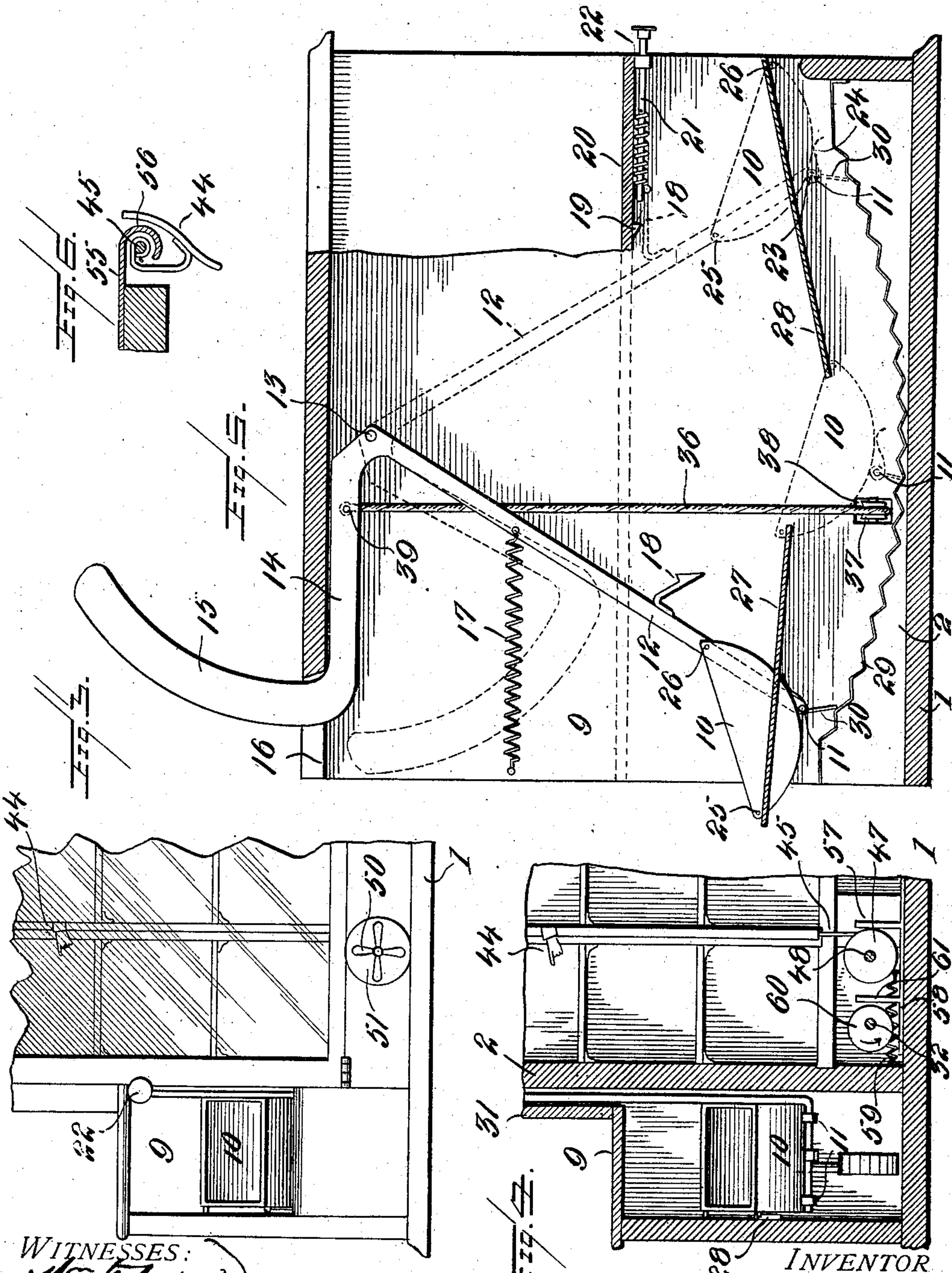
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3 SHEETS—SHEET 3.



WITNESSES:
M. F. Kay
M. A. Bond.

INVENTOR
Judson B. Hurd
BY
E. H. Bond
Attorney

UNITED STATES PATENT OFFICE.

JUDSON B. HURD, OF BROOKLAND, DISTRICT OF COLUMBIA.

ARTICLE-DELIVERY SHOW-CASE.

No. 891,544.

Specification of Letters Patent.

Patented June 23, 1908.

Application filed October 18, 1907. Serial No. 397,962.

To all whom it may concern:

Be it known that I, JUDSON B. HURD, a citizen of the United States of America, and resident of Brookland, in the District of Columbia, have invented certain new and useful Improvements in Article-Delivery Show-Cases, of which the following is a specification.

This invention relates to certain new and useful improvements in article-delivery show cases or to a new and improved device designed primarily as an article of store furniture, having for its objects among others to provide a simple, cheap, yet durable and efficient article of store furniture capable of use as a show case for exhibiting samples of the goods contained therein and having provision whereby the prospective purchaser may deposit his money in a receptacle normally located upon one side of the case, and then by proper manipulation of a push rod or analogous device, cause the receptacle, through the agency of a spring or other means, to move from the front of the case to the rear thereof, to be from thence returned to the front of the case by the clerk or attendant, with the desired article therein. I provide means whereby the purchaser first, after selecting the article he desires to purchase, moves an indicator to a point opposite the compartment in which such article is contained, and by this movement a weight or analogous device is moved into position to indicate to the clerk or attendant upon the opposite side of the case the compartment selected. Movable with the receptacle is an arm or other device which further serves as a signal to the clerk or attendant that a purchaser is in front of the case and has deposited his money.

I aim further at improvements in the details of construction whereby provision is made for retarding the movement of the cords connected with the movably-mounted indicator so that the weight will remain in its adjusted position, and further provision is made whereby this retarding mechanism is released when it is desired to return the indicator to its normal position. The connections are such that the turning of the shaft to throw off the retarding device also returns the receptacle to normalcy, and at the same time actuates an indexed wheel, movement of which registers or indicates the number of sales made. In some instances I may provide an audible signal to call attention of the

clerk or attendant to the fact that the receptacle has been moved. A suitable catch or other means is provided for holding the receptacle in its normal position, which is releasable by the inward movement of the push rod or other means provided for releasing the receptacle. Means are provided for suitably guiding the receptacle in its movements as are also means for guiding and concealing the actuating cords.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be particularly pointed out in the appended claims.

The invention in its preferred form is clearly illustrated in the accompanying drawings, which, with the numerals of reference marked thereon, form a part of this specification, and in which

Figure 1 is a vertical section from front to rear. Fig. 2 is a horizontal section looking down. Fig. 3 is a detail in elevation looking at the movable receptacle. Fig. 4 is a detail in vertical section through Fig. 3 with portions shown in elevation. Fig. 5 is an enlarged vertical sectional detail with parts in elevation showing the movable receptacle and its guiding means, etc. Fig. 6 is an enlarged detail showing the guide and shield for the cord, and the indicating device attached to the latter.

Like numerals of reference indicate like parts throughout the several views.

Referring to the drawings 1 designates the base of a show case which may be of any suitable material and capacity, the sides 2 of which are supported on said base and the top 3 resting on the sides. The front 4 is of transparent material, but the back is open as shown at 5.

At the front end of the case, protected by the transparent front 4, are a vertical series of sample compartments 6, which may be of any desired number, in this instance shown as four in height, and there may be as many of these vertical rows as may be requisite. These compartments are designed to contain samples of the articles contained in the corresponding drawers 7, arranged at the rear thereof and corresponding in number and position as regards height. In these drawers it is designed to place goods corresponding to the goods in the sample compartments, wrapped ready for dispensing by the clerk or attendant. The drawers are mounted on suitable ways within the case

and are provided with suitable knobs or the like 8 by which they may be drawn out when desired.

At the rear of the case, at one end, is arranged a compartment 9 as seen best in Figs. 3 and 4, and in enlarged detail in Fig. 5. Within this compartment is mounted and designed to move the cash and article receptacle 10. This receptacle which may assume any desired shape, but preferably of substantially the shape shown in Fig. 5, is pivotally mounted as at 11 on the arm or support 12 which depends within the compartment 9, being pivotally mounted at its upper end as at 13, and provided with the horizontal extension 14 which terminates in the upwardly-extending or curved member 15 which projects upward through an opening 16 in the top of said compartment as shown in Fig. 5. A spring 17 attached at one end to the arm or support 12 between its ends, and at the other end to the wall of the compartment or some other relatively fixed point tends to normally draw the said arm and consequently the receptacle 10 toward the rear of the compartment in which position it is shown by full lines in said Fig. 5. Upon the front face of the arm or support 12 is a hook 18 which is designed to engage a latch 19 on the under side of the horizontal partition 20 to hold the receptacle in its forward position in which it is shown by dotted lines in Fig. 5.

21 is a spring-actuated push-rod the front end of which is provided with a knob or the like 22 as seen best in Figs. 3 and 5, which rod is guided to slide beneath the partition 20 as seen in Fig. 5, and when pushed inward its inner end rides upon the upper inclined face of the hook 18 and pushing it downward disengages it from the latch 19, when the spring 17 will pull the arm and the receptacle toward the rear of the case into the position in which it is seen in full lines in said Fig. 5.

Attached to the lower end of the arm 12 as at 23 is a spring 24 which, acting upon the under side of the receptacle 10, tends to keep said receptacle in proper position during its to and fro movements, as will be readily understood from Fig. 5. As a further aid to the retention of the receptacle in the desired position during its movements I provide the receptacle at its rear and front upper edges with the laterally projecting pins 25 and 26, which are designed for coöperation with the guides 27 and 28 as seen in Fig. 5, which are disposed at a slight angle from the horizontal and their adjacent ends separated as shown, the object of which will be made clear as the description progresses.

If it is desired to give an audible signal to the clerk or attendant when the receptacle is moved I provide a corrugated track or member 29 beneath the path traversed by the receptacle and concentric therewith, as indi-

cated in Fig. 5, and upon the lower end of the arm 12, or the bottom of the receptacle itself a depending finger 30 of sufficient resiliency to allow it to flex as the receptacle is moved and the finger contacts with the corrugated track whereby a click-click is produced sufficient to be heard by the attendant and to call his attention to the fact that the receptacle is being moved. It is evident however that this feature of the invention need not always be present, and may be dispensed with without affecting the other parts.

As seen best in Fig. 4 the arm or support 12 moves in a space between the side 2 of the case proper and the adjacent wall 31 of the compartment 9, or an upward extension thereof.

The receptacle 10 is designed to be returned to its normal position, that at the front of the case, by the attendant at the rear thereof, and for this purpose I provide the shaft 32, mounted in suitable bearings 33 at the bottom of the case, as seen clearly in Figs. 1 and 2, and in cross section in Fig. 4. This shaft is provided at its rear end with a crank and handle as seen at 34 by which it may be turned, and within the case it is provided with a cranked portion 35 to which is attached one end of a cord or other ligament 36 which, after passing under a guide pulley 37 suitably mounted as seen in Fig. 5 in an opening 38 in the adjacent side 2, extends upward within the compartment 9 and its other end is attached as at 39 to the horizontal extension 14 of the arm 12 as seen best in Fig. 5. Turning of the shaft 32 in the proper direction pulls down upon the cord 36 and moves the arm 12 on its pivot against the tension of the spring 17 as will be clearly understood from Fig. 5 and the arm and its receptacle will be moved from the position shown by full lines in Fig. 5 to that shown by dotted lines in the same figure, the spring hook 18 engaging the latch 19 and holding the arm and receptacle in such position till released by the pushing inward of the push-rod 21 as will be evident from Fig. 5. This shaft 32 serves other functions, one of which will now be explained. Fast on said shaft is a worm gear 40 which meshes with the peripheral gear 41 of a disk 42 mounted for rotation on a central vertical pivot 43, as seen in Fig. 2, and as this disk has each tooth numbered as seen in Fig. 2 and as the worm gear is arranged to turn this disk one notch each time the shaft is turned to move the receptacle 10 to its normal position it will readily be understood that this disk serves to indicate the number of sales made. This is a feature however which may be omitted if desired without materially affecting the operation of the other parts of the device.

At the front of the case I arrange an indicator, preferably in the form of a hand, as

seen at 44, which serves to indicate the sample compartment containing the goods or articles which the purchaser desires. This finger is disposed at the front of the sample compartments as shown, it being understood that there is one of these indicators for each vertical row of compartments, and although all of these indicators are not shown, their operating cords and rollers may be seen in Fig. 2. A description of one and its accessories will suffice for all. This indicator, or hand, 44, is attached in any suitable manner to a cord or other ligament 45, one end of which is connected with and adapted to be wound upon a roller 47 carried by a shaft 48 mounted to revolve in a suitable bearing 49 suitably secured within the lower portion of the case, and in the front wall, as seen in Fig. 1, and its outer end is provided with a suitable handle or the like 50 by which it may be revolved when desired. This handle may or may not be located within a recess 51 in the lower front wall as seen in Figs. 1 and 2. The cord 45 passes upwardly and over a pulley 52 suitably journaled at the upper portion of the front of the case as seen in Fig. 1, thence along beneath the top and over a pulley 53 at the back upper portion of the case, as seen in the same figure, and thence downward at the rear of the case, its lower end being connected with a weight or the like 54, all as clearly illustrated in Fig. 1. The hand 44 and the weight 54 are so disposed relatively to each other that when the hand is opposite the uppermost sample compartment the weight will be at the lowermost drawer and vice versa, and as the hand is changed the relative position of the weight is changed so that the attendant at the rear of the case can tell which sample has been selected by the purchaser.

In order to guide the cord 45 as well as to prevent its being seen from the front, and also to prevent its being pulled out of position I provide a shield and guide 55 as seen best in Figs. 1, 2 and 6, the same having curved edge as seen at 56 within which the cord is confined and by which it is hidden from view from the front of the case.

In order to retard the rotation of the pulley or roller 47 I provide a retarder or brake 57 as seen best in Figs. 2 and 4, and when a series of vertical rows of compartments and drawers are employed I provide a series of such brakes, one for the lower roller of the cord for each row and arrange them so that they are all operated simultaneously. These brakes rise from a common carrier 58 mounted to slide upon the base 1, as seen best in Fig. 4, and normally held toward the end of the case by a spring 59 as shown in Fig. 4 and also in Fig. 2 where all the brakes are shown. By this means the weight is disposed to remain where moved by the movement of the

cord carrying the same and the hand as the same is moved to carry the hand to the desired sample compartment. When the receptacle is to be returned to its normal position, that seen by dotted lines in Fig. 5, it is desirable to release the pressure of the brake on the roller 47, and for this purpose I provide the end of the shaft 32 with a cam 60 seen clearly in Figs. 2 and 4, which cam is designed to engage an arm 61 rising from the carrier 58 as seen in Fig. 4, so that as the shaft 32 is turned to move the receptacle 10 to its normal position the cam will engage the said arm and move the carrier and the brakes out of contact with the rollers or pulleys 47 so that the weight will return to its normal position, which is that in which it is seen in Fig. 1.

With the parts constructed and arranged substantially as above set forth, the operation will be readily understood, but, briefly stated, it is as follows:—Supposing the parts to be in the position in which they are seen by dotted lines in Fig. 5, with the hand 44 in the position seen in Fig. 1, the purchaser, should he desire some of the articles seen in the top sample compartment, places his money in the receptacle 10 and then pushes in on the push rod 21, releasing the receptacle by disengaging the hook 18 from the latch 19, when the spring 17 pulls the arm 12 and receptacle 10 into the position shown by full lines in Fig. 5. The dotted lines showing the different positions of the receptacle, and the full lines in said Fig. 5 clearly illustrate the action of the pins 25 and 26 in connection with the guides 27 and 28 and show how these elements serve to keep the receptacle in proper position during its movements. In starting from the dotted line position at the right hand of Fig. 5 the bottom pin 26 rides on the under side of the guide 28 till the forward end of the receptacle has reached a point over the front end of the guide 27, when the pin 25 rides upon the upper face of the guide 27 as will be readily understood. It is to be noted that the pin 26 does not leave the under side of the guide 28 until the pin 25 has come into engagement with the upper side of the guide 27. By this means, aided by the spring 24, the receptacle is kept in substantially a horizontal position during its to and fro movements. When the receptacle 10 reaches the full line position in Fig. 5 the upward extension 15 has been thrown up through its slot and serves as a signal to notify the attendant that the receptacle has been moved to the rear. If the audible signal 29 and 30 is employed his attention is further called to the fact by the same. He then takes the money from the receptacle and taking the desired article from the appropriate drawer, designated by the position of the weight, he places it in the receptacle, and then turns the shaft 32 which causes the

cam 60 to move the carrier 58 so that the brake is removed from its bearing on the pulley 47, thus allowing the weight to move downward (provided it has been in an elevated position) and this turning of the shaft also pulls downward upon the cord 36 attached to the member 14 of the arm 12 and forces the receptacle 10 into the dotted line position at the right of Fig. 5 where the hook catches the latch and holds it there. The rotation of the shaft 32 also turns the disk 42 one notch to register the sale. The device is now ready for another purchaser, who, if he desires an article from some other compartment, moves the hand 44 till it is opposite the desired sample compartment, when the operation is repeated, the weight changing its position according to the change of position of the hand, as will be readily understood.

From the above it will be seen that I have devised a simple, cheap, yet efficient means by which the clerks in ten cent stores or other places where small articles or merchandise are sold, may do much of their work in the quiet hours of the day by getting the goods ready to be delivered, so that during the rush of business the customers may be waited upon with the least possible delay, and have provided a device whereby much time is saved, by the customer being able to select the desired article without consuming the time of the clerk.

It is to be understood that while the practical embodiment of the invention as hereinbefore set forth is what I, at the present time, consider the preferable form, the same is subject to various changes, variations and modifications, without departing from the spirit of the invention or sacrificing any of its advantages. I therefore do not wish to be restricted to the details of construction above described, but reserve the right to make such changes, variations and modifications as come properly within the scope of the protection prayed.

What is claimed as new is:—

1. In a device of the character described, a pendulous receptacle, a spring for moving it in one direction, and means positively connected with the support of said receptacle to exert a downward pull thereon for positively moving it in the opposite direction.

2. In a device of the character described, a pendulous receptacle, a spring for moving it in one direction, means positively connected with the support of said receptacle to exert a downward pull thereon for positively moving it in the opposite direction, and means for locking it at the limit of its movement in the direction in opposition to the spring.

3. In a device of the character described, a pendulous receptacle, a spring for moving it in one direction, means for positively moving it in the opposite direction, and means for

guiding the receptacle in its movements to keep it substantially horizontal.

4. In a device of the character described, a pendulous receptacle, a spring for moving it in one direction, means for positively moving it in the opposite direction, means for locking it at the limit of its movement in the direction in opposition to the spring, and means for guiding the receptacle in its movements to keep it substantially horizontal.

5. In a device of the character described, a pendulous receptacle, a spring for moving it in one direction, means positively connected with the support of said receptacle to exert a downward pull thereon for positively moving it in the opposite direction, and an extension carried by and rigid with the support of said receptacle to serve as a signal.

6. In a device of the character described, a pivoted arm, a receptacle pivotally supported thereon, and a spring on the pivot of the receptacle and bearing on the underside of the latter.

7. In a device of the character described, a pivoted arm, a receptacle pivotally supported therefrom, lateral means on said receptacle, and a coöperating fixed device for keeping said receptacle in substantially horizontal position during its movements.

8. In a device of the character described, a pivoted arm, a receptacle pivotally supported therefrom, a spring on the pivot of the receptacle and bearing on the underside of the latter, lateral means on said receptacle, and a coöperating fixed device for keeping said receptacle in substantially horizontal position during its movements.

9. In a device of the character described, a pendulous arm having a horizontal portion and a member extending upwardly therefrom, a receptacle pivotally supported from the lower end of said arm, means for automatically moving the arm in one direction, and means for moving said arm positively in the opposite direction.

10. In a device of the character described, a pendulous arm having a horizontal portion and a member extending upwardly therefrom, a receptacle pivotally supported from the lower end of said arm, means for automatically moving the arm in one direction, means for moving said arm positively in the opposite direction, and means for automatically holding said arm at the limit of its movement in one direction.

11. In a device of the character described, a pendulous arm having a horizontal portion and a member extending upwardly therefrom, a receptacle pivotally supported from the lower end of said arm, means for automatically moving the arm in one direction, means for moving said arm positively in the opposite direction, and means for keeping said receptacle substantially horizontal during its movements.

12. In a device of the character described, a pendulous arm having a horizontal portion and a member extending upwardly therefrom, a receptacle pivotally supported from the lower end of said arm, means for automatically moving the arm in one direction, means for moving said arm positively in the opposite direction, means for automatically holding said arm at the limit of its movement in one direction, and means for keeping said receptacle substantially horizontal during its movements.

13. In a device of the character described, a pendulous arm, a receptacle pivotally mounted thereon, a lateral projection on said receptacle, and an inclined guide in position to be engaged by said projection as the receptacle is moved.

14. In a device of the character described, a pendulous arm, a receptacle pivotally mounted thereon, a lateral projection on said receptacle, an inclined guide in position to be engaged by said projection as the receptacle is moved, and a spring on the pivot of said receptacle and bearing on the underside of the latter.

15. In a device of the character described, a pendulous arm, a receptacle pivotally mounted on the lower end thereof, lateral projections at the upper edge of said receptacle, and oppositely disposed inclined guides with which said projections engage as the receptacle is moved.

16. In a device of the character described, a pendulous arm having a horizontal portion and a member extending upwardly therefrom, a receptacle pivotally supported from the lower end of said arm, means for automatically moving the arm in one direction, means for moving said arm positively in the opposite direction, means for automatically holding said arm at the limit of its movement in one direction, and a push rod for disengaging said holding means.

17. In a device of the character described, a plurality of superposed compartments, a plurality of corresponding superposed movable receptacles, a movable indicator mounted for movement with relation to said compartments, and means movable therewith to serve as an indicator for said receptacles.

18. In a device of the character described, a plurality of superposed compartments, a plurality of corresponding superposed movable receptacles, a movable indicator mounted for movement with relation to said compartments, means movable therewith to serve as an indicator for said receptacles, a connection between said indicator and means, and a guide and shield for said connection.

19. In a device of the character described, a plurality of superposed compartments, a plurality of corresponding superposed movable receptacles, a movable indicator mounted for movement with relation to said com-

partments, means movable therewith to serve as an indicator for said receptacles, and a retarder for said means.

20. In a device of the character described, a plurality of superposed compartments, a plurality of corresponding superposed movable receptacles, a movable indicator mounted for movement with relation to said compartments, means movable therewith to serve as an indicator for said receptacles, a connection between said indicator and means, a guide and shield for said connection and a retarder for said connection.

21. In a device of the character described, a pendulous arm, a receptacle carried thereby, a shaft connected with said arm, an indicator, a cord carrying the same, a roller on which said cord is adapted to be wound, a brake for engaging said roller, and means actuated by said shaft for releasing said brake.

22. In a device of the character described, a pendulous arm, a receptacle carried thereby, a shaft connected with said arm, an indicator, a cord carrying the same, a roller on which said cord is adapted to be wound, a brake for engaging said roller, means actuated by said shaft for releasing said brake, and means for actuating said receptacle in its movements to keep it substantially horizontal.

23. In a device of the character described, a pendulous arm, a receptacle carried thereby, a shaft connected with said arm, an indicator, a cord carrying the same, a weight carried by one end of said cord a roller on which said cord is adapted to be wound, a handle connected with the shaft of said roller, a brake for engaging said roller, and means actuated by said shaft for releasing said brake.

24. In a device of the character described, a pendulous arm, a receptacle carried thereby, a shaft connected with said arm, an indicator, a cord carrying the same, a roller on which said cord is adapted to be wound, a handle connected with the shaft of said roller, a brake for engaging said roller, and means actuated by said shaft for releasing said brake.

25. In an article-delivery show case, a front section divided into a series of compartments adapted to hold and display samples of articles for sale, and a rear section divided into a corresponding series of compartments adapted to hold articles ready to be delivered when paid for, in combination with a movable device operable from one side of the case, to indicate to an attendant at the other side of the case, which of said articles the customer desires to purchase.

26. In an article-delivery show case, a series of article holders adapted to hold articles of merchandise ready to be delivered when paid for, in combination with means by which a customer at one side of the case may indicate to an attendant at the other side of

the case the article he desires to purchase, means for receiving the money in payment for said article, and means for conveying the money from one side of the case to the other and the article in the opposite direction.

27. A series of holders for the display of samples of merchandise and a corresponding series of holders for articles corresponding to said samples, the two series of holders being adapted for the samples and the corresponding articles to be delivered arranged with relation to each other, in combination with a double indicating device, operable by the customer and adapted to indicate his selection from the samples on display, and at the same time to point out at another place the corresponding article.

28. In an article-delivery show case, a series of stationary compartments for holding samples, a series of corresponding compartments for holding articles ready to be delivered, a movably mounted cash receiver and article-delivery device, and an indicating device operable by the customer to indicate his selection from the samples.

29. In an article-delivery show case, a series of stationary compartments for holding samples, a series of corresponding compartments for holding articles ready to be delivered, a movably mounted cash receiver and article-delivery device, a signaling device operable by the customer to indicate his selection from the samples, and an audible signal embodying a pendent flexible member movable with and operable by the movement of said article-delivery device.

30. In an article-delivery show case, a series of stationary compartments for holding samples, a series of corresponding compartments for holding articles ready to be delivered, a movably mounted cash receiver and article-delivery device, a signaling device operable by the customer to indicate his selection from the samples, an audible signal embodying a pendent flexible member movable with and operable by the movement of said article-delivery device, and a visual signal also operable by the movement of said device.

31. In a device of the character described, compartments adapted to display samples of merchandise, said compartments being arranged to form a series of tiers with a plurality of compartments in each tier, in combination with a corresponding series of tiers of compartments adapted to hold articles of merchandise corresponding to said samples; a double indicator for each tier of samples adapted to be operated so as to indicate any sample in its tier, and at the same time to indicate at another place the article of merchandise corresponding to said sample; and an actuating device adapted to return to their normal position simultaneously all the indicators that have been operated.

32. In a device of the character described, compartments adapted to display samples of merchandise, said compartments being arranged to form a series of tiers with a plurality of compartments in each tier; in combination with a corresponding series of tiers of compartments adapted to hold articles of merchandise corresponding to said samples; a double indicator for each tier of samples adapted to be operated so as to indicate any sample in its tier, and at the same time to indicate at another place the article of merchandise corresponding to said sample; and an actuating device adapted to return to their normal position simultaneously all the indicators that have been operated, and to convey the article to a point of delivery.

33. In an article-delivery show case, means for holding on deposit a variety of articles of merchandise, an indicating device controllable from the front of the case to point out an article at the rear of the case, with means controllable from the rear of the case for returning said indicator to its normal position.

34. In an article-delivery show case, an indicating device and a signaling device, both operable from the front of the case; and means controllable from the rear of the case for returning them to their normal position.

35. In an article-delivery show case, an indicating device and a signaling device, both operable from the front of the case; and means controllable from the rear of the case for returning them to their normal position, combined with a pendulous receptacle operatively connected with said devices and movable from the front to the rear of the case.

36. In a device of the character described, a group of compartments adapted for the display of samples of merchandise, a corresponding group of compartments of equal number and similar arrangements adapted to hold articles for sale, and an indicating device of two parts adapted to be operated so as to bring one part in certain relative position to any one member of one of said groups and at the same time to bring the other part in a certain relative position to the corresponding member of the other group.

37. In a device of the character described, means for holding articles of merchandise ready for delivery, an indicating device operable by the customer to point out which article he desires, a money conveyer, and an actuating element adapted to return the different parts to their normal position after they have been operated, said actuating element being adapted also to operate a brake device, for the purposes specified.

38. In a device of the character described, a plurality of sample holders arranged in vertical tiers, a movable indicator belonging to each tier, means for moving any one of said indicators in relation to the sample

holders in the tier to which the indicator belongs, means for depositing money in payment for articles indicated, means for conveying the articles to a point of delivery, in
5 combination with an actuating element connected with all of the indicators and adapted to cause all that have been operated to return simultaneously to their normal position as the articles are delivered.

10 39. In a device of the character described, compartments adapted to display samples of merchandise, said compartments being ar-

ranged to form a series of tiers with a plurality of compartments in each tier, in combination with a movable indicator for each tier, 15 and an actuating device adapted to return to their normal position simultaneously all the indicators that have been operated.

Signed by me at Washington, D. C., this 17 day of Oct., 1907.

JUDSON B. HURD.

Witnesses:

E. H. BOND,

M. A. BOND.