No. 859,196. PATENTED JULY 9, 1907.

J. H. BOYE.

COMMODITY CABINET.

APPLICATION FILED SEPT. 12, 1906.

2 SHEETS—SHEET 1.

Fig. 1.

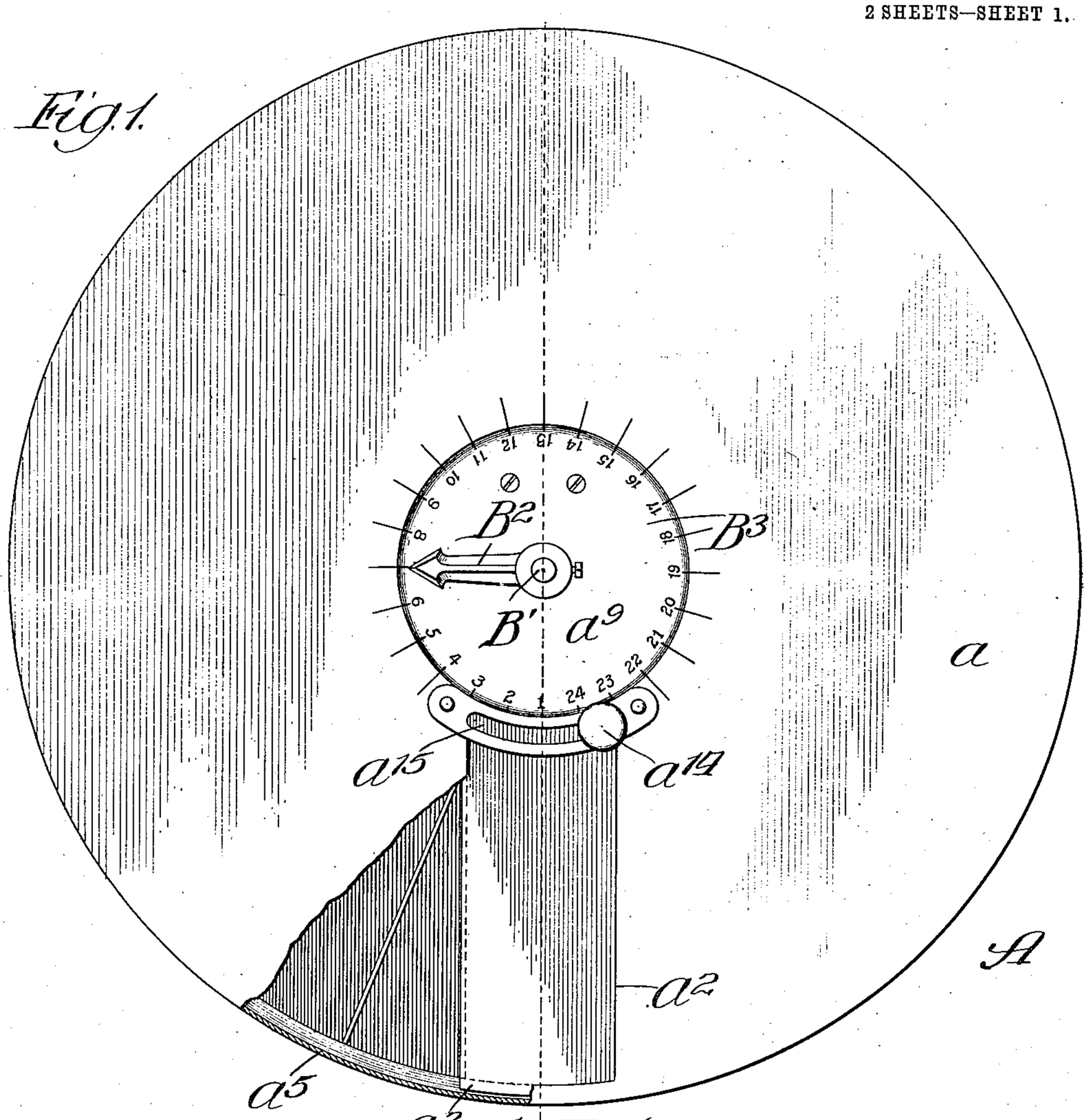
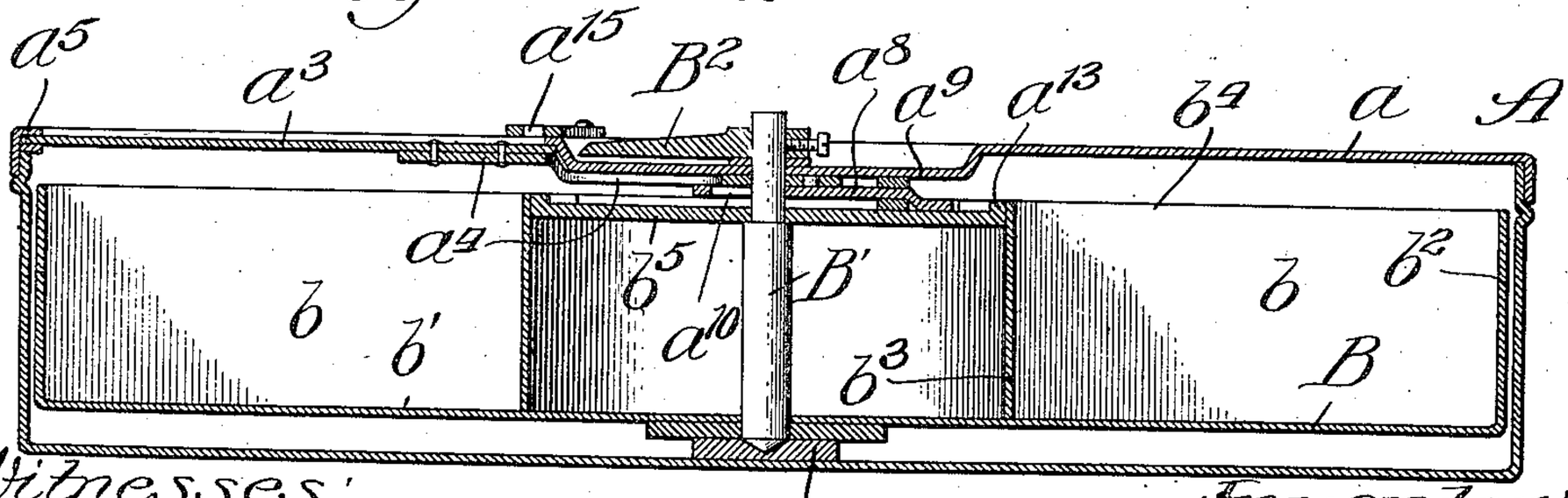


Fig. 2.



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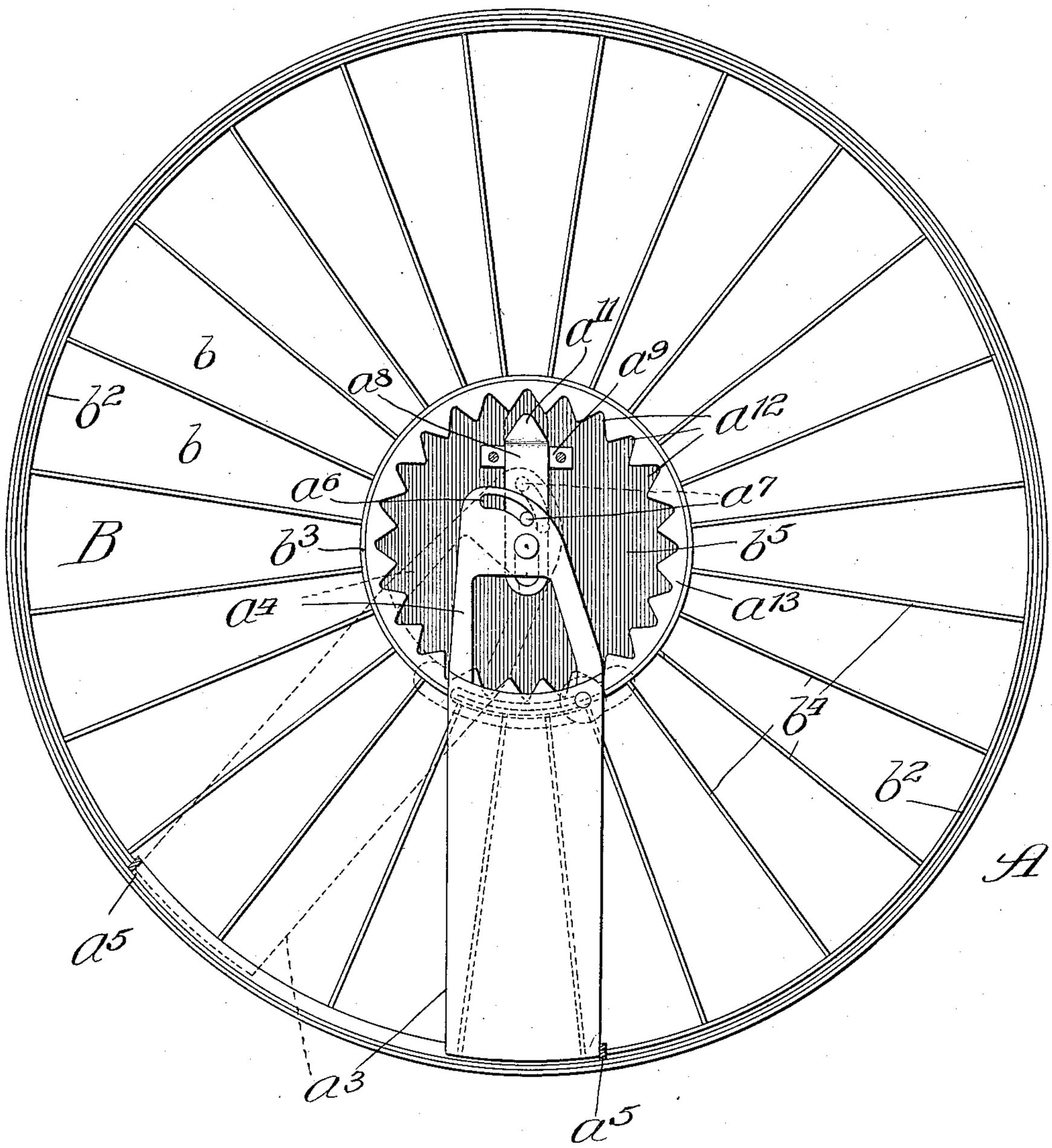
2 SHEETS—SHEET 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

JAMES H. BOYE, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE BOYE NEEDLE COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

COMMODITY-CABINET.

No. 859,196. Specification of Letters Patent. Patented July 9, 1907.

Application filed September 12, 1906. Serial No. 334,284.

To all whom it may concern:

Be it known that I, JAMES H. BOYE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Commodity-Cabinets, of which the following is a specification.

My invention relates particularly to commodity cabinets adapted for storing small articles, such as needles, to enable the same to be readily found by the sales clerks in stores.

My primary object is to provide means for preventing the accidental mixing of the articles in the various receptacles or compartments of the commodity carrier of such a cabinet.

The invention is illustrated in its preferred embodiment in the accompanying drawings, in which—

Figure 1 is a broken plan view of a commodity cabinet equipped with my improvements; Fig. 2, a vertical section taken as indicated at line 2 of Fig. 1; and Fig. 3, a view of the cabinet with the top removed.

In the construction shown, A represents a casing equipped with a top *a;* and B, a commodity cabinet mounted on a vertically disposed shaft B^1 whose upper end projects through the depressed central portion of the top *a* and is equipped with an index pointer B^2 which moves over an index B^3 with which the casing-top is provided. The index pointer serves as a means for rotating the shaft B^1, and the carrier B, which is equipped with a plurality of radially disposed commodity receptacles, or compartments *b*, is secured on the shaft to rotate therewith.

The general construction and operation of a commodity cabinet of the character illustrated in the accompanying drawings will be understood by reference to my Patent No. 823,202, granted June 12, 1906.

The casing A may conveniently be made of sheet-metal, as may also the carrier B. The casing bottom is equipped with a bearing a^1 for the lower end of the shaft B^1. The carrier comprises a sheet-metal disk b^1 having an up-turned peripheral flange b^2 and an inner ring b^3 forming an annulus therewith, said flange and ring being joined by partition walls b^4 dividing the annulus into the compartments *b*. Within the upper portion of the ring b^3 is fitted a disk or plate b^5 through which the reduced upper end of the shaft B^1 extends. The casing-top is provided with a rectangular radial opening a^2 which is normally covered by a closure a^3 whose inner end is equipped with a shank a^4 pivoted on the upper end of the shaft B^1, and whose outer end works in a segmental guide a^5 with which the casing-top is provided. The shank a^4 of the closure extends some distance beyond the central post, or shaft, B^1 and is provided with a cam slot a^6 which receives a stud a^7 projecting upwardly from a sliding locking member a^8 which moves in a guide-loop a^9 with which the casing-top is equipped on its lower surface. The sliding locking member a^8 is provided at its inner end with a slot a^{10} which moves on the reduced end of the shaft B^1. The locking member a^8 has a point, or wedge-shaped extremity, a^{11} adapted to enter any one of a series of V-shaped notches a^{12} formed in a ring a^{13} on the upper surface of the peripheral portion of the disk b^5 of the carrier. The closure a^3 is equipped near its base-portion with a headed or knobbed stud a^{14}, which moves in a segmental guide a^{15} with which the casing-top is provided at the inner end of the opening a^2 therein.

The operation will be readily understood. When the closure a^3 of the casing is in position to cover the opening a^2, as indicated by the full lines in Fig. 3, the locking member a^8 is withdrawn from engagement with the notched locking ring a^{13}. When the closure a^3 is thrown into the position indicated by dotted lines in Fig. 3, to uncover the opening a^2 of the casing, the locking member a^8 is moved, through the medium of the cam-pin a^7 and cam-slot a^6 into engagement with a notch of the locking-ring a^{13}. Thus, it will be seen that when the closure is open the carrier is locked. This will be the condition of the device even though the carrier is not moved to exactly the right position to bring a receptacle of the commodity beneath the opening a^2 of the casing. It is understood, of course, that the receptacles of the commodity carrier are, in practice, filled with small articles, the index of the device serving to indicate the character of the articles in any given receptacle. Assuming the closure to be in the open condition, as when a clerk is engaged in making a sale, it will be seen that the commodity carrier cannot be turned idly by a customer, or by any other person, during a moment of inattention by the clerk, and thus the danger of articles being returned to the wrong receptacles by the clerk is obviated. It is, moreover, evident that should the commodity carrier not be brought to exactly the right position to bring the desired receptacle beneath the opening in the casing-top when the index pointer is turned for this purpose, the movement of throwing the closure to the open position will cause the wedge-shaped locking member to enter a depression in the locking-ring and impart such supplemental movement to the commodity carrier as may be necessary to accurately locate the desired receptacle beneath the opening in the casing-top.

The foregoing detailed description has been given for clearness of understanding only, and no undue limitation is to be understood therefrom.

What I regard as new, and desire to secure by Letters Patent, is—

1. The combination of a casing equipped with a closure, a movable commodity carrier in said casing, and a closure-actuated lock for the carrier.

2. The combination of a casing equipped with a top provided with an opening, a rotary commodity carrier located in said casing and equipped with a plurality of locking shoulders, a closure for said opening in the casing-top, and a locking-member actuated by said closure.

3. The combination of a casing, a movable commodity receptacle, a movable closure, and a closure-actuated locking-member which is out of locking engagement with the commodity receptacle in the closed position of the closure.

4. The combination of a casing, a rotary commodity carrier equipped with a ring provided with a series of notches, a movable closure, and a slidable locking-member connected with said closure and adapted to engage the notches of said ring when the closure is in the open position.

5. The combination of a casing equipped with a top provided with an opening, a commodity carrier within said casing equipped with a shaft projecting through said top, a closure for said opening pivotally connected with said shaft, and a locking-member for the carrier slidably connected with the casing-top and having cam connection with said closure, for the purpose set forth.

6. The combination of a casing equipped with a top provided with an opening, a rotary carrier within said casing equipped with a shaft projecting through said top, actuating means connected with said shaft above said top, a ring on said carrier equipped with a series of notches, a closure for the opening in said top having a shank pivotally connected with said shaft and a portion of said shank projecting beyond said shaft, and a locking-member having cam connection with the projecting portion of said shank and adapted to engage the notches of said ring.

7. The combination of a casing, a movable commodity receptacle, a movable closure, a lock for said receptacle, and means for simultaneously opening the closure and moving the receptacle-lock to the locking position, for the purpose set forth.

8. The combination of a commodity-receptacle, a top surmounting said receptacle and provided with an opening, said parts being relatively movable, a movable closure for said opening, a lock, and means for simultaneously opening the closure and moving said lock to the locking position, whereby relative movement of the top and commodity receptacle is prevented when the closure is in the open position.

JAMES H. BOYE.

In presence of—
L. HEISLAR,
C. W. WASHBURNE.