

No. 877,290.

PATENTED JAN. 21, 1908.

J. H. BOYE.

COMMODITY CABINET.

APPLICATION FILED APR. 9, 1907.

2 SHEETS—SHEET 1.

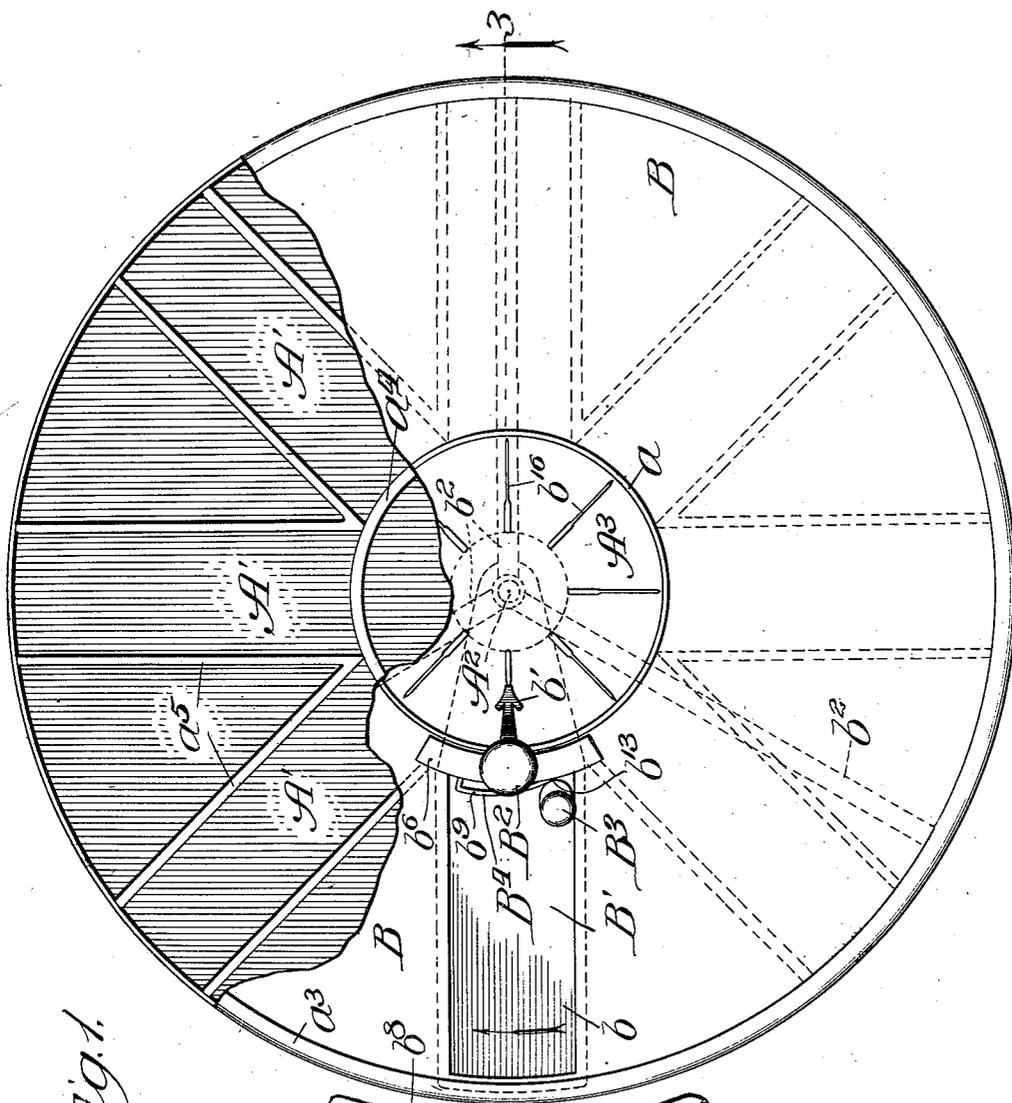


Fig. 1.

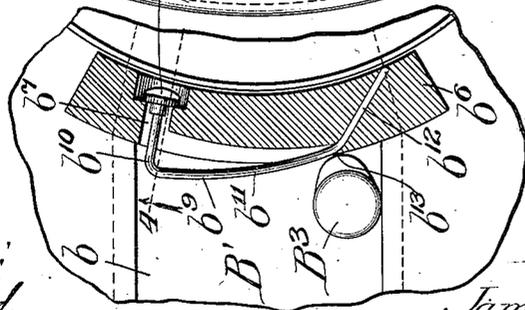


Fig. 2.

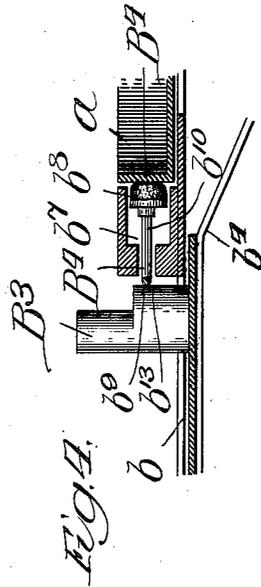
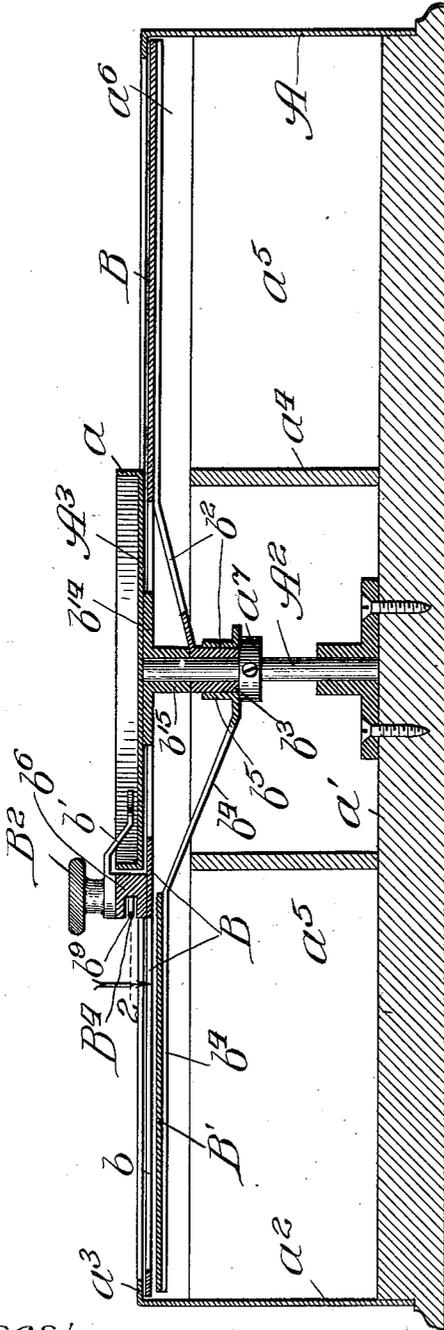
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2 SHEETS—SHEET 2.

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. 877,290.

Specification of Letters Patent.

Patented Jan. 21, 1908.

Application filed April 9, 1907. Serial No. 367,138.

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 new and useful Improvements in Commodity-Cabinets, of which the following is a specification.

My invention relates particularly to commodity cabinets of the general type set forth in my application No. 334,284, filed Sept. 12, 1906, such cabinets being adapted for storing small articles, such as needles, bobbins, etc., to enable the same to be readily found by the sales clerks in stores.

My primary object is to provide an improved cabinet, simple in construction, easy of operation and provided with simple and efficient means for preventing accidental mixing of the articles in the various receptacles or compartments of the commodity-carrier or commodity-holder.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 represents a broken plan view of my improved commodity-cabinet; Fig. 2, a broken plan section taken as indicated at line 2 of Fig. 3, and showing a detail of a locking device employed; Fig. 3, a vertical section taken as indicated at line 3 of Fig. 1; and Fig. 4, a broken vertical section taken as indicated at line 4 of Fig. 2.

It may be stated that the preferred construction shown comprises a stationary commodity-carrier or commodity-holder, divided into compartments; a stationary central dial; a rotatable disk forming the top of said holder and provided with a radial hand-opening; a closure for said opening pivoted at the axis of the rotary top by which said closure is carried; and a closure-actuated, spring-retracted friction lock for the rotary top which is thrown to the operative position in the operation of opening said closure.

In the drawings, A represents a circular commodity-carrier or commodity-holder divided into radially disposed compartments A¹; A², fixed shaft or post rising from the center of the bottom of the commodity-holder; A³, a fixed dial surmounting the post A² and equipped with a rim or circular flange a; B, a rotatable disk affording a top for the commodity-holder and provided with a radially disposed hand-opening b; B¹, a pivoted closure movable with and also movable inde-

pendently of said top; B², a handle serving as a means for rotating the top B and equipped with an inwardly pointing radially disposed pointer b¹ playing over the dial A³; B³, a handle serving to actuate the closure B¹; and B⁴, a stop or friction lock carried by the rotatable top and which is automatically thrown to the engaging position in the operation of opening the closure B¹.

The commodity-holder A and rotatable top B form a casing. The part A comprises a bottom a¹; an outer cylinder a² having an inturned flange a³ at its upper end; an inner cylinder a⁴ of less height; and approximately radial partition-members a⁵ dividing the annulus between the cylinders into compartments. The inner cylinder and the partition-members are low enough to afford a space a⁶ between their upper edges and the disk B. The shaft A² has its lower end fixed to the bottom a¹ within the cylinder a⁴. Said shaft is equipped with a collar a⁷.

The disk B is annular in form and is supported by a spider b² having a hub b³ journaled on the post A² and supported on the collar a⁷. Said disk B has its outer peripheral margin underlying the flange a³. The closure B¹ comprises a rectangular piece of sheet-metal carried by an arm b⁴ whose inner end is provided with a sleeve b⁵ journaled on the hub b³ and resting on the collar a⁷. The knob or handle B² is mounted on a curved or segmental member b⁶ which is fastened on the upper surface of the disk B at the inner end of the opening b and lies adjacent to the flange a with which it is concentric. Through said member b⁶ extends a radial opening b⁷ in which works the friction lock B⁴. The stop B⁴ comprises a friction head b⁸ adapted to bear against the flange a of the dial A³, and a spring b⁹ (Figs. 2 and 4) carrying the head b⁸ and normally maintaining the same in the retracted position shown in Fig. 2. The spring b⁹ has a portion b¹⁰ which extends through the opening b⁷, and has a curved or oblique cam portion b¹¹ which is carried by the attaching tang b¹². The closure-actuating knob or handle B³ is connected with the closure near one lateral edge thereof and adjacent to the segmental member b⁶. Said handle B³ is provided with an engagement or cam portion b¹³ adapted to contact with the cam portion b¹¹ of the spring b⁹ and press the stop B⁴ into engagement with the flange

of the dial A^3 when the closure B^1 is swung upon its pivot in the direction indicated by the arrow in Fig. 1.

Fig. 4 represents the position of the parts 5 after the closure has been thus swung upon its pivot to the open position. The closure B^1 lies beneath the plane of the disk B , and the actuating knob B^3 extends upwardly through the slot or opening b of the disk B . 10 It will be understood, therefore, that while the member B^1 can be swung about the post A^2 , its movement with relation to the disk B will be limited by the knob B^3 contacting with the lateral edges of the slot or hand- 15 opening b of the disk B .

The dial A^3 is fixedly supported on a small disk b^{14} having a sleeve b^{15} fixedly secured to the upper end of the post A^2 . Thus, it will be understood that the dial A^3 is a fixed mem- 20 ber. Said dial is provided on its upper surface with index characters, or cuts, b^{16} , which in the illustration given comprise cuts or representations of sewing-machine needles.

The operation will be readily understood 25 from the foregoing detailed description. The small articles to be vended are placed in the compartments A^1 of the commodity carrier or holder; and when a clerk desires to take out a certain article, he turns the disk 30 B through the medium of the handle B^2 , until the pointer b^1 points to the desired article indicated on the dial. In charging the compartments, the articles are placed in the receptacles by reference to the dial, so that 35 each kind of article will be properly designated on the dial. After turning the disk B so as to bring the closure B^1 above the compartment containing the desired article, the operator then actuates the closure B^1 40 through the medium of the knob B^3 , in which action the knob B^3 rides against the cam portion b^{11} of the spring b^9 and throws the stop B^4 to the engaging position shown in Fig. 4, thus locking the disk B against ro- 45 tation while the closure B^1 is in the open position. Thus provision is made against articles being carelessly dropped into the wrong compartment of the holder, since it is necessary to close the closure and turn the 50 disk to a new position before access can be had to another compartment.

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 commodity- 55 holder, a movable top surmounting the same having an opening, a closure movably 60 connected with said top, and a closure-actuated lock serving to lock the top when the closure is thrown to the open position.

2. The combination of a commodity- 65 holder, a central fixed dial located there- above, a revoluble top for the commodity- holder, a closure movably connected with said top, and a closure-actuated lock con- 70 nected with said revoluble top and co-acting with said fixed dial, for the purpose set forth.

3. The combination of a commodity- holder, a revoluble top surmounting the same and having an opening, a fixed central 75 dial, a closure movably connected with said top, and a closure-actuated spring-retracted locking device serving to secure the top against rotation when the closure is thrown to the open position.

4. The combination of a commodity- 80 holder comprising a cylinder provided with a bottom and divided into compartments, a central post rising from said bottom, a revoluble top supported on said post and provided with an opening, a closure pivoted to 85 swing about said post, a dial fixedly secured to the upper end of said post, and an index-pointer carried by said top and playing over said dial.

5. The combination of a commodity- 90 holder divided into compartments and equipped with a central post and a top turning about said post as an axis, a fixed dial surmounting said post and equipped circumferentially with lock-engaging means, 95 a closure movably connected with said top, and a closure-actuated lock, for the purpose set forth.

JAMES H. BOYE.

In presence of—

RALPH A. SCHAEFER,
J. H. LANDES.