

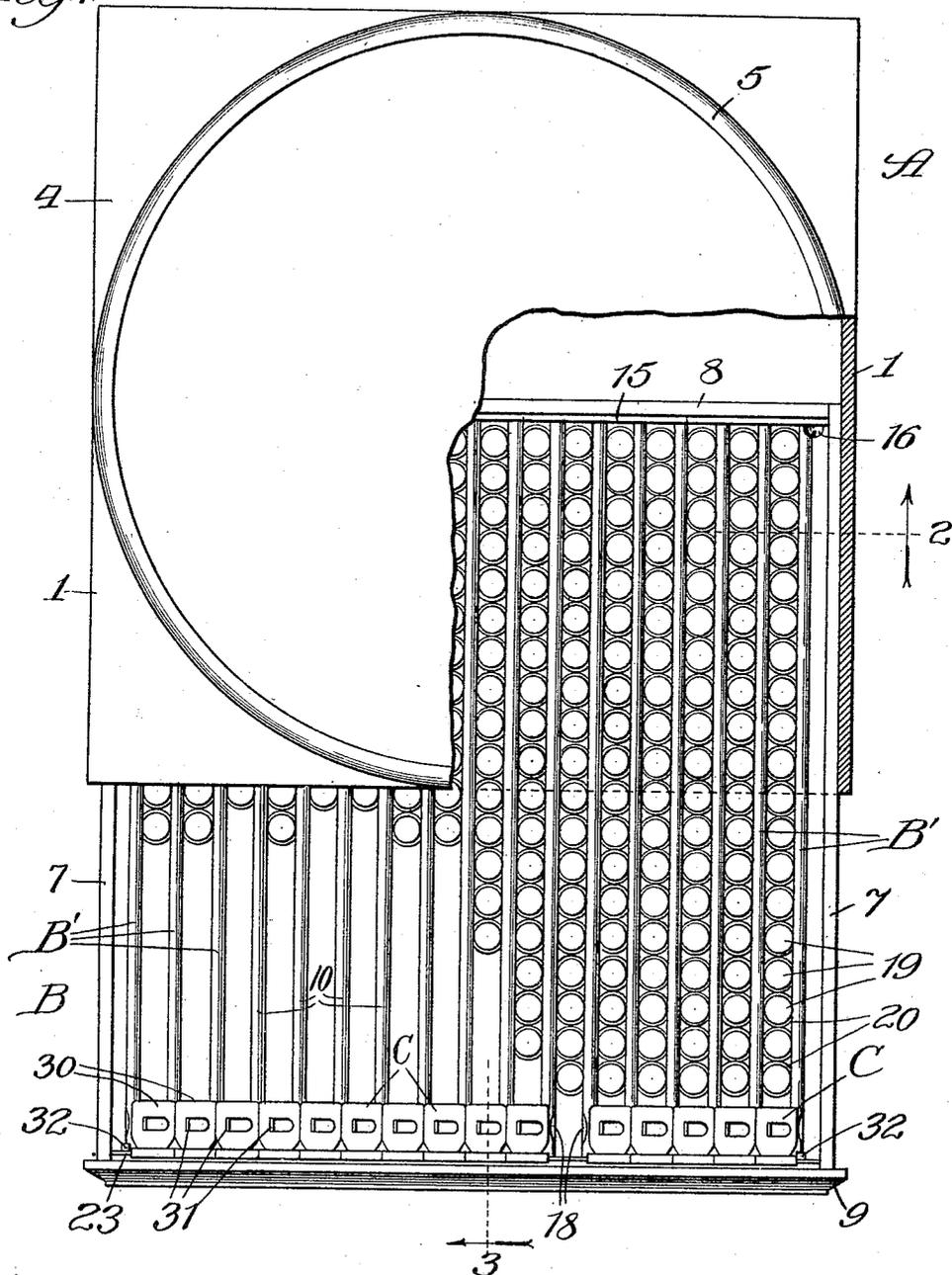
J. H. BOYE.
 COMMODITY CABINET.
 APPLICATION FILED JUNE 22, 1910.

1,006,178.

Patented Oct. 17, 1911.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses:

W. C. Keybold,
W. F. Chase.

Inventor:

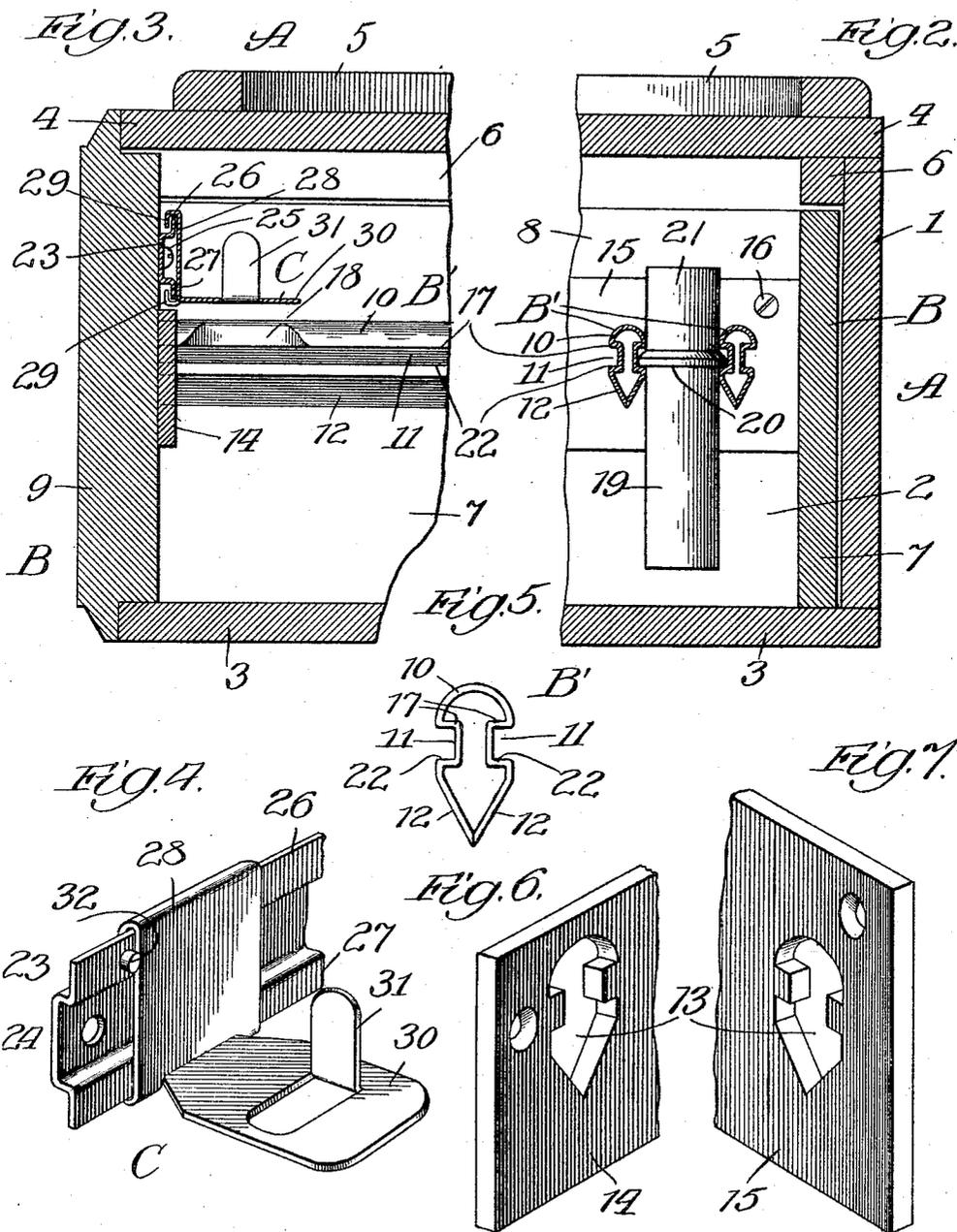
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2 SHEETS—SHEET 2.



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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.

1,006,178.

Specification of Letters Patent. Patented Oct. 17, 1911.

Application filed June 22, 1910. Serial No. 568,335.

To all whom it may concern:

Be it known that I, JAMES H. BOYE, a citizen of the United States, residing at Ravenswood Park Station, 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 adapted to contain properly assorted small articles of merchandise, such as needles; and my primary object is to provide a simple and inexpensive cabinet of the character indicated, which is adapted to be placed on a counter or showcase in a retail store, and which operates in an improved manner and is adapted to conserve the time of the salesman.

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

Figure 1 represents a view, partly in plan and partly in section, of a commodity-cabinet constructed in accordance with my invention, the drawer, or withdrawable carrier, employed being shown partly open; Fig. 2, a broken section taken as indicated at line 2 of Fig. 1; Fig. 3, a broken section taken as indicated at line 3 of Fig. 1, but showing the carrier in the fully housed position; Fig. 4, a broken perspective view showing a guard or shiftable stop and the guide therefor; Fig. 5, an end view of a guide-member employed; Fig. 6, a broken perspective view of the front guide-carrying plate employed; and Fig. 7, a broken perspective view of the rear guide-carrying plate employed.

In the construction illustrated, A represents a casing which preferably is of rectangular form; B a drawer or carrier withdrawably mounted in said casing and equipped with a series of parallel guides B¹, which extend from the front end to the rear end of the carrier; and C a series of shiftable guards or stops which control the access to the spaces between said guides.

The casing A may be of any suitable construction. As shown, it comprises side-walls 1; a rear-wall 2; a bottom 3; and a top 4. The top 4 is shown equipped on its upper surface with a circular cleat 5 adapted to receive within it the base of a rotary commodity-cabinet of a type now in common use. The inner surfaces of the lateral walls 1 of

the casing are equipped at their upper portions with cleats 6, which co-act with the side-walls and bottom of the casing to form guides for the drawer or carrier B.

The carrier B may be of any suitable construction. As shown, it comprises a box-form frame having side-walls 7; a rear wall 8; and a front piece 9.

The longitudinally extending guides B' may be of any suitable construction. As shown, each guide is formed of a strip of sheet-metal which is folded medially about a longitudinal axis to provide a curved top portion 10, the wings of the strip being then struck in to afford laterally-presented longitudinal grooves 11, and the longitudinal edge portions of the strip being bent inwardly and downwardly to afford the inclined mutually-bracing portions 12. The guide-members have their ends received in sockets 13 of front and rear supporting plates 14 and 15, respectively, which are applied to the inner surfaces of the front and rear walls 8 and 9 of the carrier B, as by means of screws 16. The sockets 13 are formed by punching in the plates 14 and 15 holes which have the contour of a cross-section of the guide-member. Near their front ends, the guide members B¹ have their flanges 17 which are above the laterally-presented groove 11 recessed or cut away, as indicated at 18, thus affording enlarged openings between the guide members adapted to permit the insertion of tubes or holders 19. The tubes or holders 19 are adapted to receive needles or other small articles of merchandise. Said tubes have external enlargements, or flanges 20 near their upper portions, and are equipped above said flanges with removable caps 21. The flanges 20 of the needle tubes are adapted to rest upon the flanges 22 of the guide members B¹; said flanges 22 constituting the lower walls of the laterally-presented grooves 11.

Located above and parallel with the horizontally disposed guide-carrying plate 14 is a guide-member 23 upon which are mounted the shiftable guards or stops C. The transversely extending guide 23 comprises a sheet-metal strip which has a forwardly-struck longitudinal medial portion 24 adapted to be secured to the inner surface of the front wall 9 of the carrier, as by means of screws 25. The formation affords offset up-turned and down-turned flanges 26 and 27, 110

respectively, adapted to receive the guide portions of the shiftable guards C. Each shiftable guard C comprises a guide-member 28 having flanges 29 adapted to embrace the flanges 26 and 27 of the guide member 23, and a rearwardly projecting guard-portion 30 equipped with a thumb piece 31, which may be formed by partially severing a portion of the metal and bending it upwardly as clearly indicated in Fig. 4. The guards or shiftable stops are of a width to correspond approximately with the spacing of the guides B¹, and the guards are preferably one less in number than the spaces or channels between the guide-members B¹. I have shown stops 32 carried by the end portions of the transverse guide 23 for limiting the movement of the laterally shiftable guards in either direction.

20 The operation will be readily understood.

The horizontal spaces or guides adapted to receive the several horizontal rows of receptacles or needle tubes may be filled one after the other, by shifting the guards, according to necessity. Thus, the guards at either side of any selected guard may be shifted in moving the selected guard, thereby uncovering the enlarged opening which serves to admit the receptacles to the selected guide channel. When it is desired to remove a tube from any selected row, this may be readily accomplished by shifting the guards so as to uncover the opening or entrance to the selected row.

35 The needles, or other small articles of merchandise, are arranged according to size or make, and, if desired, a suitable index may be supplied to enable the salesman to readily find the particular article desired. It is noteworthy that the transversely shiftable guards which control the entrances to the guides are so arranged as to permit uncovering of only one entrance at a time. This serves to prevent the goods from becoming mixed up, as the salesman is instructed to return any tube which may not be disposed of to its proper place before shifting the guards to enable the tubes to be removed from another row.

50 The foregoing detailed description has been given for clearness of understanding only, and no undue limitation should be understood therefrom, but the appended claims are to be construed as broadly as permissible in view of the prior art.

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

60 1. In a commodity-cabinet, the combination of a member equipped with a series of guides provided with entrances thereto, and a series of shiftable guards for said entrances, a selected guard serving as a means for shifting the other guards and a space being left to permit such shifting.

65 2. In a commodity-cabinet, the combina-

tion of a member provided with a series of guides, having laterally-presented longitudinal grooves, whose lower and upper walls afford flanges, the upper flanges being cut away to afford entrances, and a series of alined transversely shiftable guards for said entrances. 70

3. In a commodity-cabinet, the combination of a frame, a series of longitudinal guide-members extending from the front end to the rear end thereof, said guide-members spaced to afford channels for receptacles and having enlarged openings in substantially transverse alinement, and a series of transversely shiftable guards controlling said enlarged openings. 75

4. In a commodity-cabinet, the combination of a casing, a withdrawable carrier housed therein and equipped with longitudinal guides having entrances at their front ends, and a plurality of transversely shiftable guards at the front end of said carrier controlling said entrances, a selected guard serving as a means for shifting the other guards and a space being left to permit such shifting. 85

5. In a commodity-cabinet, the combination of a casing, a carrier withdrawable through the front thereof, a series of flanged longitudinal guides spaced to receive receptacles between them, and having the front portions of the upper flanges cut away to afford entrances, a transversely extending guide, and shiftable guards mounted thereon. 90

6. In a commodity-cabinet, the combination with a casing, of a carrier comprising a box-form frame, longitudinally disposed sheet-metal guide-members bent to provide laterally-presented grooves with walls above and below said grooves, the upper walls being cut away at the front ends of said guide-members, a transversely extending guide at the front end of said carrier, and a series of guards mounted on said transversely extending guide. 95

7. In a commodity-cabinet, the combination of a casing, a box-form frame withdrawably inserted therein, guide-members extending from the front end to the rear end of said frame and spaced apart to receive receptacles and having enlarged entrances at their front ends, members securing said guide-members to the front and rear walls of said frame, a transverse guide-member disposed above the front end portions of said guide-members, and a series of guards mounted on said transversely extending guide-member and controlling said entrances. 100

8. In a commodity-cabinet, the combination of a frame equipped with a series of parallel guide-members, having spaces between them adapted to receive receptacles, with enlarged openings affording entrances at the front end of said spaces, and a plu- 105 130

rality of transversely shiftable guards corresponding in width approximately with the spacing of said guide-members.

5 9. In a commodity-cabinet, the combination of a casing, a withdrawable carrier equipped with longitudinal guides having entrances at their front ends, a transversely extending guide, and a plurality of guards for said entrances mounted on said transversely extending guard, each guard comprising a sheet-metal member having a guide-engaging portion and a rearwardly projecting guard-portion equipped with an up-turned thumb-piece.

10 10. In a commodity-cabinet, the combination of a frame, a plurality of longitudinally disposed sheet-metal guide-members having laterally-presented grooves with walls above and below said grooves, the upper walls cut away at the front ends of the guide-members to afford entrances, attaching plates equipped with sockets receiving said guide-members, and transversely shiftable guards controlling said entrances.

JAMES H. BOYE.

In presence of—

R. A. SCHAEFER,

J. G. ANDERSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
