May 30, 1933. C. W. KRESS 1,911,368

COMMODITY DISPLAY CABINET

Filed March 12, 1932 2 Sheets-Sheet 1

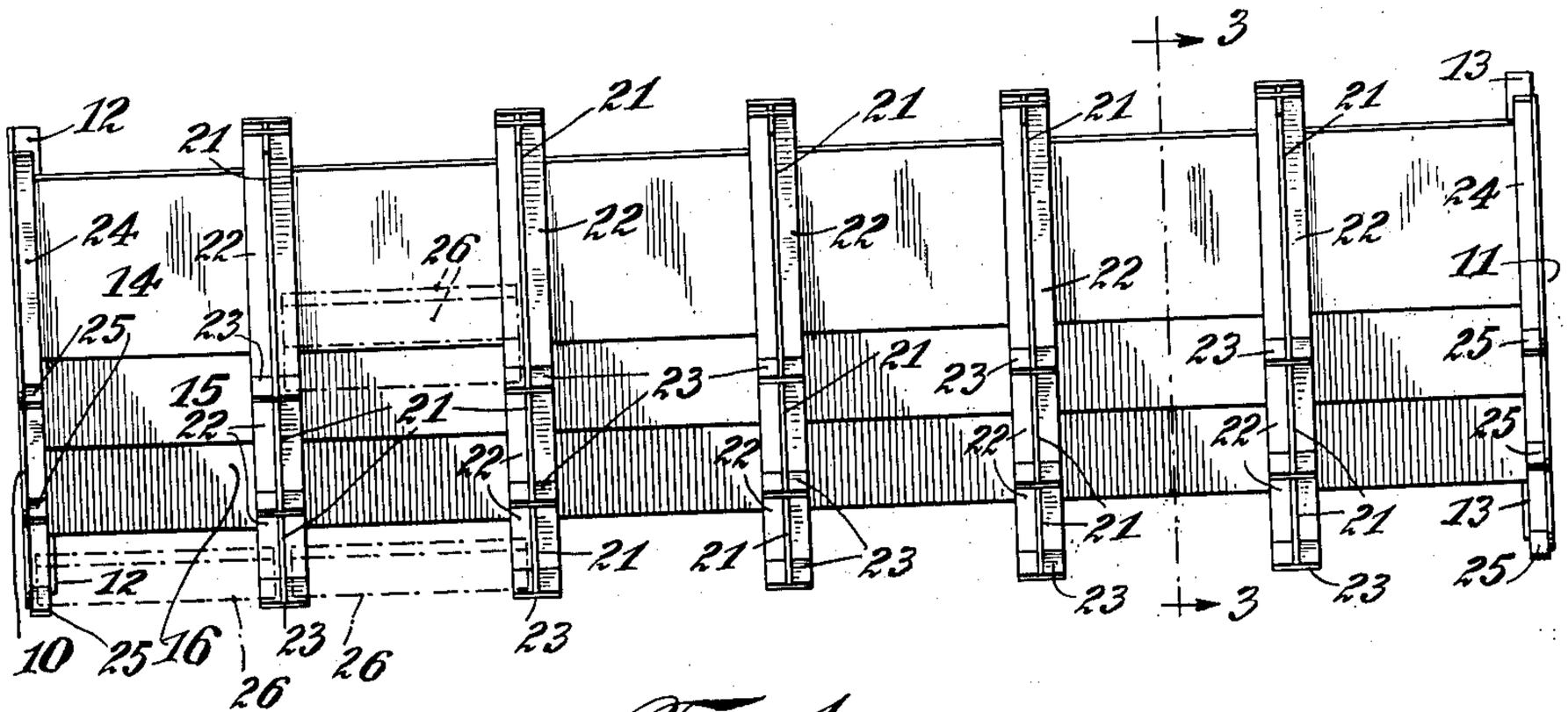


Fig. 1.

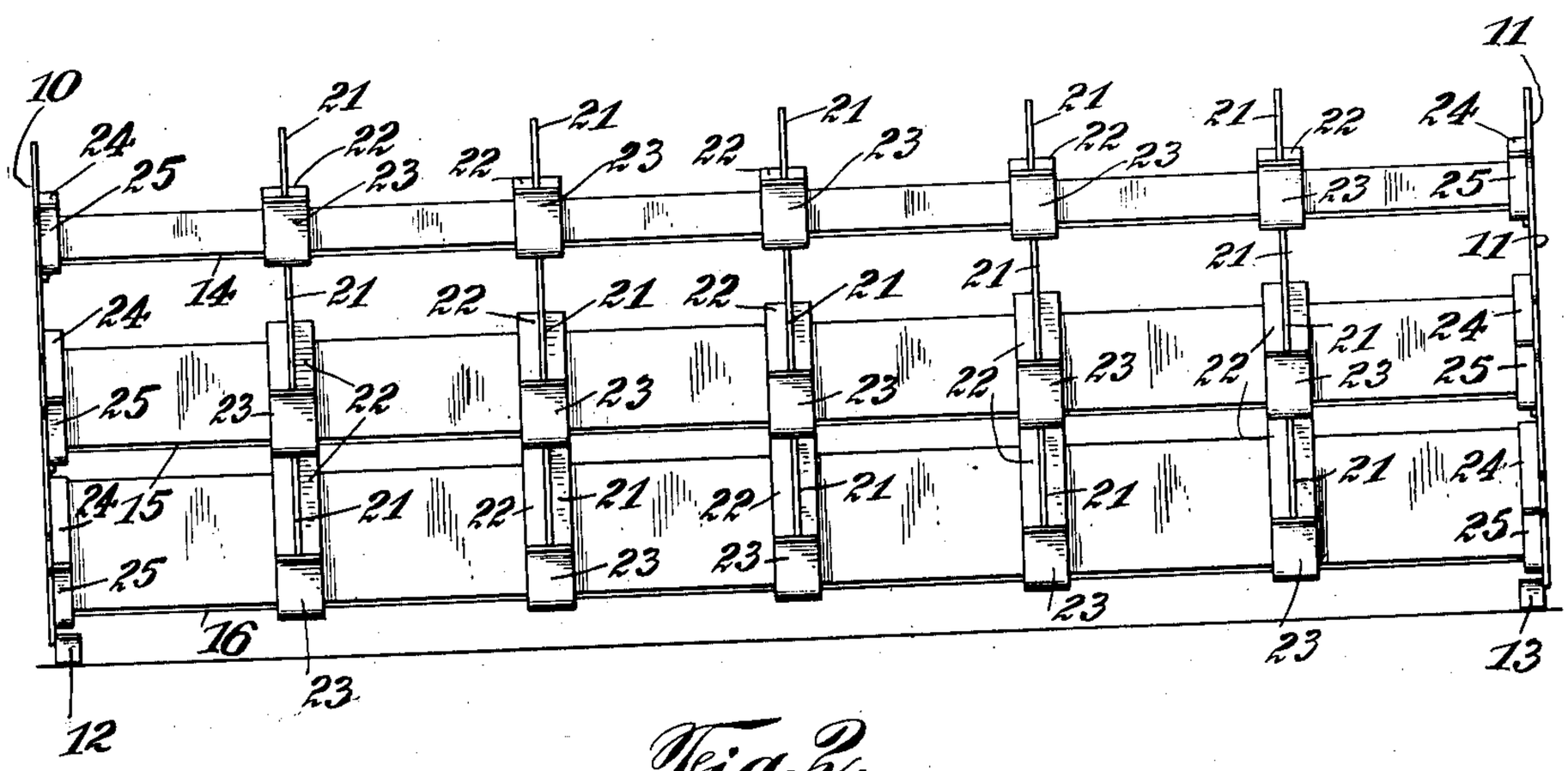


Fig. 2.

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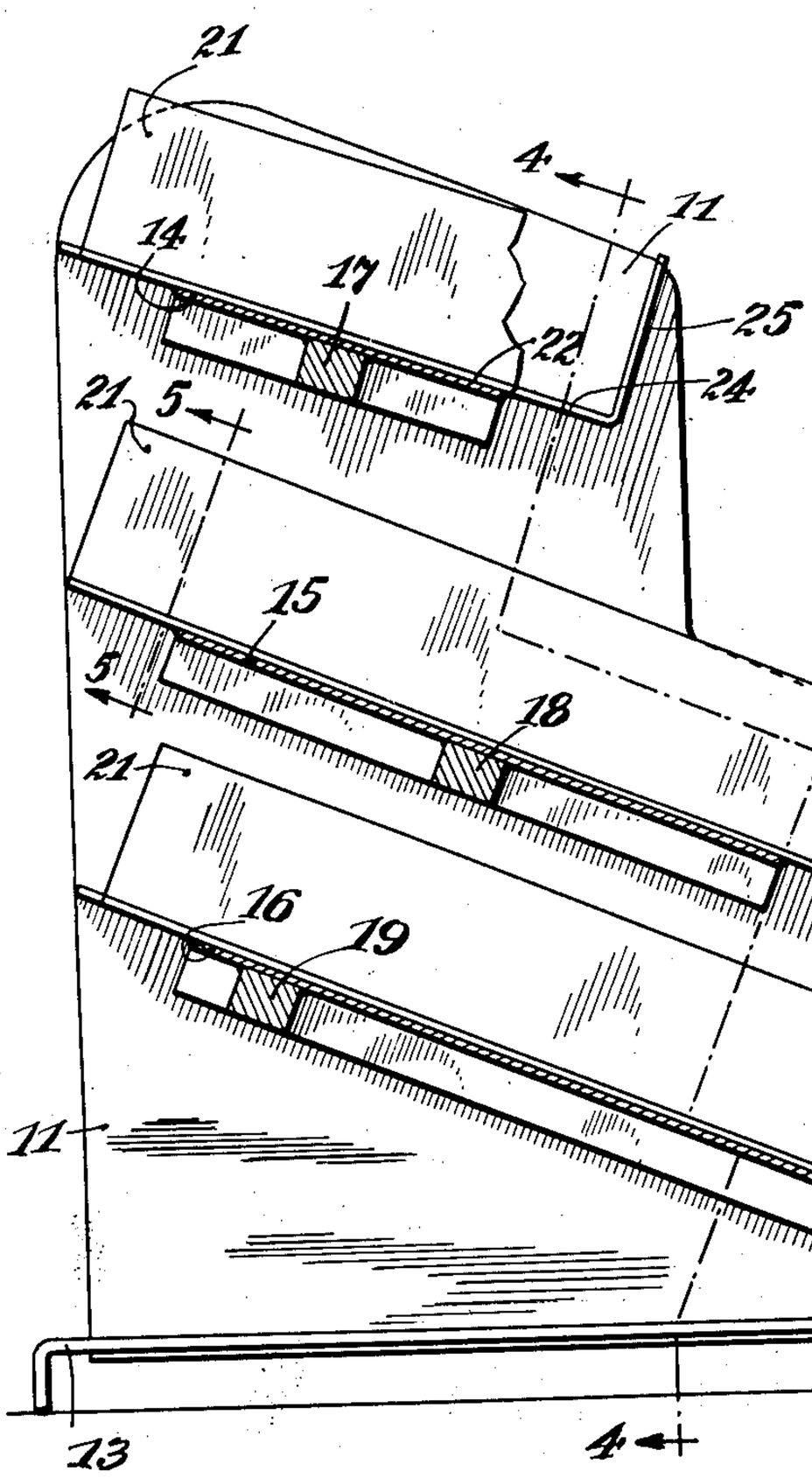


Fig. 3.

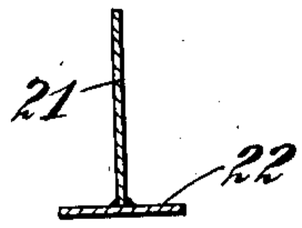


Fig. 5.

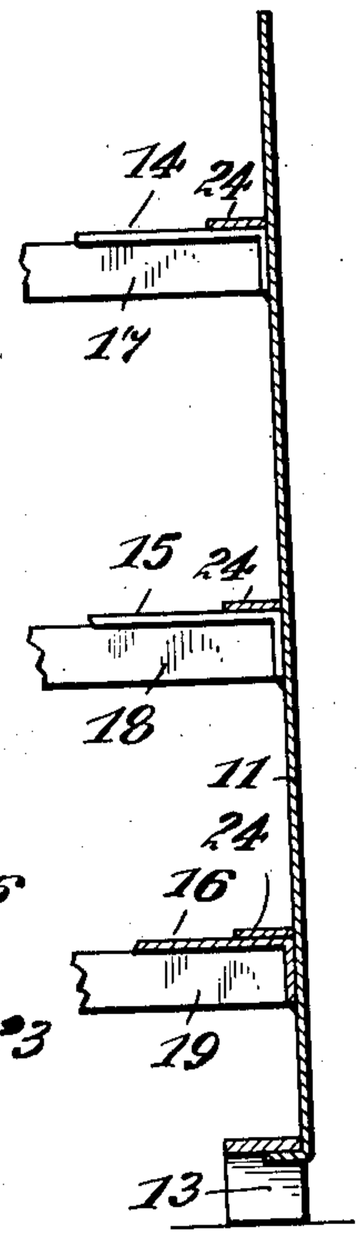


Fig. 4.

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UNITED STATES PATENT OFFICE

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COMMODITY DISPLAY CABINET

Application filed March 12, 1932. Serial No. 598,354.

My invention relates to commodity display cabinets and refers particularly to display cabinets adapted for the ready removal of commodities.

It is desirable that commodity display cabinets be so constructed that commodities may be readily removed therefrom, that further commodities be automatically displayed for removal after the removal of the exposed one, or ones, and that the device be attractive in appearance.

All of the above mentioned, and other, desirable features are present in the device of my invention, in which one commodity, or more, as desired, is exposed for ready removal and in which upon the removal of one commodity, or more, an equal number of commodities automatically fills the spaces caused by such removal, and in which, therefore, there is a constant exposure of removable commodities.

The novelty and usefulness of the device of my invention are evident upon consideration of the accompanying drawings illustrating one form of the device of my invention, and in which similar parts are designated by similar numerals.

Figure 1 is a top plan view of one form of the device of my invention.

Figure 2 is a front view of the device of Figure 1.

Figure 3 is a section through the line 3—3 of Figure 1.

Figure 4 is a section through the line 4—4 of Figure 3.

Figure 5 is a cross section through one of the partition members.

The particular form of the device of my invention illustrated in the accompanying drawings consists of two outer side wall members, 10 and 11, supported by the two base feet 12 and 13, respectively.

Fixedly attached to the two sides 10 and 11 are a plurality of vertically spaced platforms 14, 15 and 16 and supported by the cross bars 17, 18, 19 and 20, respectively.

The platforms 14, 15 and 16 are in parallel planes and are positioned at inclined angles to the base feet 12, 13, each platform being of less width than the platform below it, thus forming a series of steps.

A plurality of inverted T-shaped partition members, each having the upright member 21 and the lower head plate 22, forming a base, are fixedly carried by the platforms 14, 15 and 16 in uniformly laterally spaced relation to each other, and to the side walls 10 and 11, thus forming a plurality of compartments.

The forward end of each T-shaped member extends beyond the forward edge of the platform upon which it rests and has the base of this forward end upturned as at 23. Each end portion of the platforms 14, 15 and 16 carries a fixedly attached floor plate strip 24, having its forward end extending beyond the platform and upturned as at 25.

The forward edges of the outer side wall members 10 and 11 extend beyond the forward edges of the respective platforms 14, 15 and 16, and also extend upwardly above the uppermost platform 14. Desirably these side wall members 10 and 11 are provided with steps rearwardly and upwardly along their forward edges as shown in the drawings (Figure 3), with these steps substantially in alignment with the upper edges of the partition members 21.

There is thus formed a plurality of compartments each having an inclined floor, or platform, as 15, the sides 10, 11, 21, 21 of which extend beyond the extremity of the platform, each side having an inwardly directed flange 22, or 24, upon which a commodity 26 can rest, the upturned ends 23, 23, 25, 25 of the extended walls preventing such commodities from sliding from the device.

The operation of the device is as follows:—

Suitable commodities, as packages of chewing gum, are placed upon the platforms, and allowed of their own weight to move, downwardly and outwardly along the T-shaped heads 22, 22 and plates 24, 24, until they rest upon the stop members 23, 23, 25, 25. If they will not assume this position of their own weight they are moved manually into position. The forward com-

modity thus rests upon the two inwardly directed members 22, 22 or 24, 24, but is free from contact with the platform and hence has its under side exposed. To remove a commodity it is simply necessary to push it upwardly and it is then free from the device. The next commodity will then move, or can be moved, forwardly in position for removal.

By reason of the inclination and widely stepped relation of the platforms 14, 15 and 16, the compartments may be very conveniently loaded with packages from the front of the device. These platforms form bottoms for the compartments which are effective to prevent the accidental dropping through of packages, which otherwise would occur upon the slight angular displacement of a small elongated package, such as the packages 26, 26, while loading the compartments.

If the inclinations of the platforms are such as to allow the commodities to move forwardly by gravity, as is desirable, it will be seen that my invention presents a device in which a commodity is exposed for ready removal, and that the removal of such exposed commodity allows of the automatic presentation of a new commodity for removal.

It is evident that the device can be constructed to contain one or more compartments, and one or more platforms, as desired.

I do not limit myself to the particular size, shape, number, or arrangement of parts as shown and described as these are given simply as a means for clearly describing the device of my invention.

What I claim is:—

1. In a display cabinet, in combination, two outer side wall members, a plurality of vertically spaced forwardly and downwardly inclined platforms extending between and fixedly supported by said side wall members with the latter extending forwardly beyond said platforms and upwardly above the uppermost platform, a plurality of laterally spaced compartment forming inverted T-shaped upstanding partition members fixedly carried by each said platform with their T-head bases thereon and with said T-shaped partition members extending forwardly beyond said platform, a floor plate strip fixedly carried by each end portion of each said platform adjacent a said outer side wall member and extending forwardly beyond said platform, said platforms forming bottoms for compartments formed between said outer side wall members by said T-shaped partition members, a stop member for two adjacent compartments carried by the forward end of each said T-shaped partition member, and a stop member at the forward end of each said floor plate strip, said stop members for each said compartment being so disposed as to be abutted by the ends only of the foremost commodity to prevent the gravitational displacement of commodities from said compartments and providing for lifting off said foremost commodity by placing the fingers beneath it between said stop members, for each of said compartments.

2. In a display cabinet, in combination two outer side wall members, a plurality of vertically spaced forwardly and downwardly inclined platforms extending between and fixedly supported by said side wall members with the latter extending forwardly beyond said platforms and upwardly above the uppermost platform, a plurality of laterally spaced compartment-forming inverted T-shaped upstanding partition members with their T-shaped head bases upon and with said T-shaped partition members fixedly carried by each said platform and extending forwardly beyond said platform, a floor plate strip fixedly carried by each end portion of each said platform adjacent a said outer side wall member and extending forwardly beyond said platform, said platforms forming bottoms for compartments formed by said T-shaped partition members between said outer side wall members, a stop member for two adjacent compartments formed by the upturned forward end of the T-head base of each of said T-shaped partition member, and a stop member formed by the upturned forward end of each of said floor plate strips, said stop members for each said compartment being so disposed as to be abutted by the ends only of the foremost commodity to prevent the gravitational displacement of commodities from said compartment and providing for lifting off said foremost commodity by placing the fingers beneath it between said stop members, for each of said compartments.

3. In a display cabinet, in combination, two outer side wall members, a plurality of vertically spaced forwardly and downwardly inclined platforms extending between and fixedly supported by said side wall members with the latter extending forwardly beyond said platforms and upwardly above the uppermost platform, the forward edges of said platforms being in stepped relation with one another upwardly and rearwardly, a plurality of laterally spaced compartment forming inverted T-shaped upstanding partition members fixedly carried by each said platform with their T-head bases thereon and with said T-shaped partition members extending forwardly beyond said platform, a floor plate strip fixedly carried by each end portion of each said platform adjacent a said outer side wall member and extending forwardly beyond said platform, said platforms forming bottoms for compartments

formed between said outer side wall members by said T-shaped partition members, a stop member for two adjacent compartments carried by the forward end of each said T-shaped partition member, and a stop member at the forward end of each said floor plate strip, said stop members for each said compartment being so disposed as to be abutted by the ends only of the foremost commodity to prevent the gravitational displacement of commodities from said compartment and providing for lifting off said foremost commodity by placing the fingers beneath it between said stop members, for each of said compartments.

4. In a display cabinet, in combination, two outer side wall members, a plurality of vertically spaced forwardly and downwardly inclined platforms extending between and fixedly supported by said side wall members with the latter extending forwardly beyond said platforms and upwardly above the uppermost platform, the forward edges of said platforms being in stepped relation with one another upwardly and rearwardly, a plurality of laterally spaced compartment-forming inverted T-shaped upstanding partition members with their T-head bases upon and with said T-shaped partition members fixedly carried by each said platform and extending forwardly beyond said platform, a floor plate strip fixedly carried by each end portion of each said platform adjacent a said outer side wall member and extending forwardly beyond said platform, said platforms forming bottoms for compartments formed by said T-shaped partition members between said outer side wall members, a stop member for two adjacent compartments formed by the upturned forward end of the T-head base of each said T-shaped partition member, and a stop member formed by the upturned forward end of each said floor plate strip, said stop members for each said compartment being so disposed as to be abutted by the ends only of the foremost commodity to prevent the gravitational displacement of commodities from said compartment and providing for lifting off said foremost commodity by placing the fingers beneath it between said stop members, for each of said compartments.

5. In a display cabinet, in combination, two outer side wall members, a plurality of vertically spaced forwardly and downwardly inclined platforms extending between and fixedly supported by said side wall members with the latter extending forwardly beyond said platforms and upwardly above the uppermost platform, the forward edges of said platforms being in stepped relation with one another upwardly and rearwardly, a plurality of laterally spaced compartment-forming inverted T-shaped upstanding partition members with their T-head bases upon and with said T-shaped partition members fixedly carried by each said platform in uniformly spaced relation to each other and to said outer side wall members and extending forwardly beyond said platform, said outer side wall members being stepped along their forward edges rearwardly and upwardly with steps substantially in alignment with the upper edges of said upstanding partition members, a floor plate strip fixedly carried by each end portion of each said platform adjacent a said outer side wall member and extending forwardly beyond said platform, said platforms forming bottoms for compartments formed by said T-shaped partition members between said outer side wall members, a stop member for two adjacent compartments formed by the upturned forward end of the T-head base of each said T-shaped partition member, and a stop member, formed by the upturned forward end of each said floor plate strip, said stop members for each said compartment being so disposed as to be abutted by the ends only of the foremost commodity to prevent the gravitational displacement of commodities from said compartment and providing for lifting off said foremost commodity by placing the fingers beneath it between said stop members for each of said compartments.

Signed at New York city, in the county of New York and State of New York, this 7th day of March, 1932.

CLAUDE W. KRESS.