

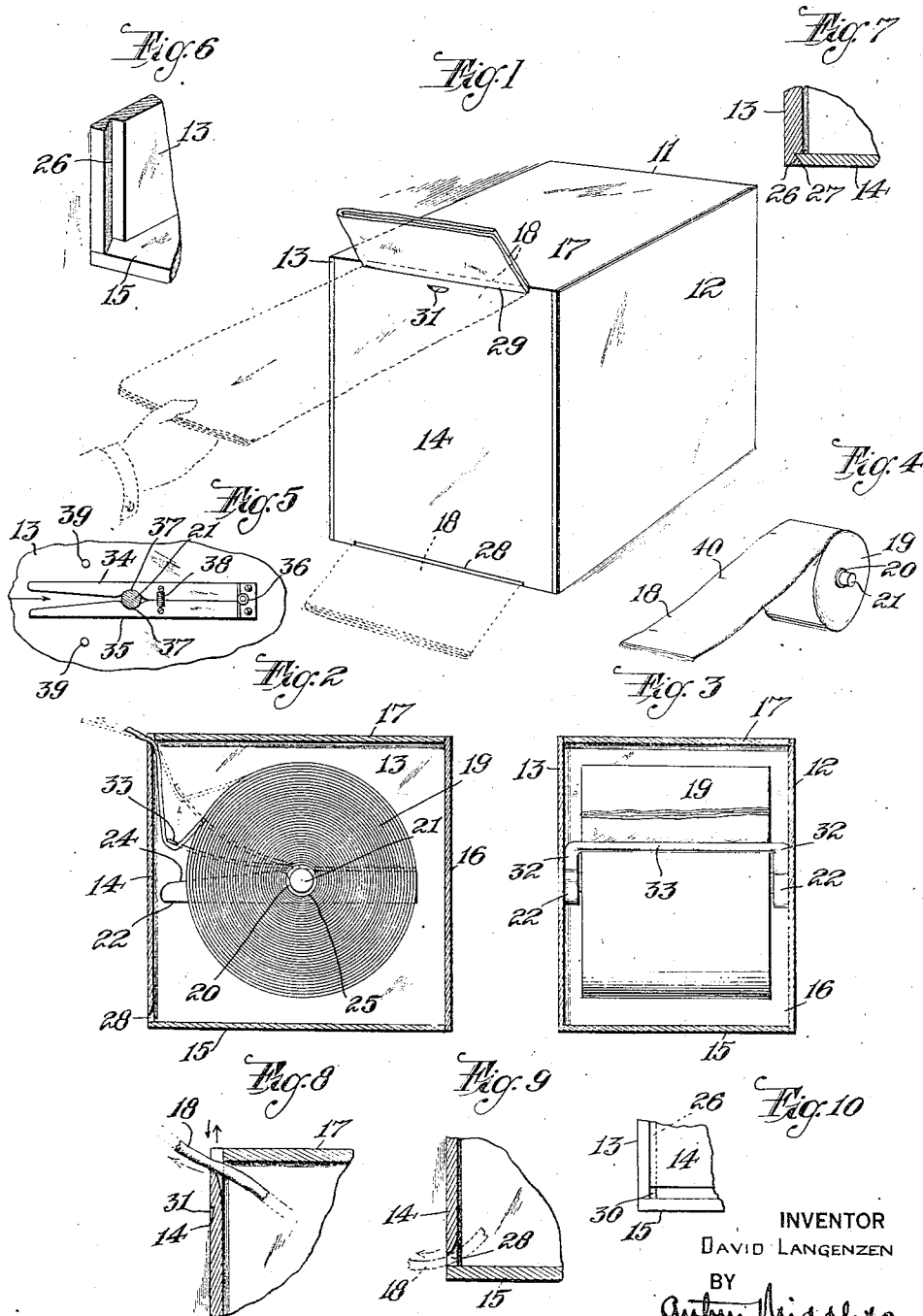
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DISPENSING APPARATUS

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DISPENSING APPARATUS.

Application filed May 25, 1921. Serial No. 472,373.

To all whom it may concern:

Be it known that I, DAVID LANGENZEN, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Dispensing Apparatus; of which the following is a specification.

This invention relates to the dispensing of piece or other textile fabrics and its object is to enclose the goods in a container in which the goods can be shipped and from which it can be dispensed, wherein it can be maintained in a sanitary condition and for convenient handling and dispensing.

The invention consists of a box or container in which are enclosed the goods which may be any textile fabrics such as cloths containing silk, wool, or fibre, the cloth being on a roll, with the roll rotatably mounted within the container. One or more slots are provided in the box through which the cloth can be drawn as it is sold and means may be provided for insuring the retracting of that part of the cloth remaining after the sold piece has been cut off so that the remaining end is not exposed to dust, dirt, etc.

One embodiment of the invention is illustrated in the accompanying drawings, which is the best embodiment of which I am at present advised but this showing is to be taken as merely illustrative and in no sense limiting. The invention may be better understood by referring to the accompanying drawings in which—

Figure 1 is a perspective view of one form of my container;

Fig. 2 a longitudinal section of the container of Fig. 1;

Fig. 3 is a view looking into the container of Fig. 1 with its front removed;

Fig. 4 is a perspective view of the roll of goods supported with the container of Fig. 1;

Fig. 5 shows one manner of supporting the roll of goods within the container;

Figs. 6 and 7 shows details of construction of the manner in which the front of the container is held in place while

Figs. 8 and 9 show the double slotted arrangement of the front of the container.

Fig. 10 shows a modification.

The invention may be described by beginning with a container 11 having sides 12 and 13, front 14, bottom 15, back 16 and

top 17. This container is a combined shipping and dispensing enclosure for the goods to be sold for the goods are to be placed in it by the manufacturer, shipped to the seller of the goods, and then the seller will sell the goods from the container.

The goods to be sold may be any piece or other textile goods but the container was especially designed to dispense gauze or cheese cloth. The cheese cloth 18 is folded into preferably four thicknesses and made into a roll 19 formed upon a tube 20, preferably made of paper or other fibrous material, as a foundation. Through the tube 20 is passed a rod 21 adapted to be supported by or from the sides 12 and 13 of the container or box 11. The roll 19 and tube 20 rotate freely upon the rod 21.

Cleats 22 are provided on the box sides 12 and 13 and they are each provided with a tapered portion 24 and a recess 25 substantially at the middle point of the cleat. The cleats on the two sides are placed in register with each other and the rod 20 is supported in the recesses 25.

The front ends or edges of the sides 12 and 13 are provided with bevelled grooves 26 and the front 14 of the box has its edges 27 bevelled to be complementary to the bevelled grooves 26 (Fig. 7). The bevelled grooves 26 do not extend into the bottom 15. The front 14 is provided with a bottom slot 28 and a top slot 29 through which the cheese cloth can be withdrawn from the box. Slots in other locations can be provided when more suitable for the goods used. Instead of the slot 28, a block or stop 30 can be used to provide a space between the lower end of the front 14 and the bottom 15 of the box (Fig. 10). Further, for the slot 29, the front 14 can be made short enough so that the top of the front 14 leaves a space between it and the top 17 of the box. 31 represents a finger lift in the front 14.

A spring yoke 32 is fastened to the cleats 22 and bears upon the rod 21 to hold it in the recesses 25 and its end or cross piece 33 may be used to prevent the cloth 18 from unrolling too rapidly and also to maintain the cut off end of the cloth substantially retracted into the box (Fig. 2). The cloth 18 may be withdrawn from the box either through slot 29 at the top or slot 28 at the bottom whichever is more convenient to the dispensing person.

In lieu of the cleat arrangement of Fig.

2, there may be substituted on each side of the box, coacting fingers 34 and 35 hinged at 36, recessed at 37 for holding the rod 21, and a spring 38 for maintaining the fingers 5 together. Pins 39 may be provided to act as stops for the opening movement of the fingers. 40 represents small marks on the cloth 18 indicating yard measurements.

10 In operation, the manufacturer forms the folded cheese cloth 18 into a roll 19 upon the tube 20 and then passes the rod 21 through the tube. The roll is positioned in the box 11 and shipped to the dealer. Upon receipt thereof, the dealer raises the 15 front 14 and threads the cloth through either of the slots 28 or 29 as the case may be and in selling the cloth pulls out the quantity desired as shown in dotted lines in Fig. 1, and cuts it off. In this way the 20 cloth is kept under the most sanitary conditions from maker to purchaser.

If the yoke 32 is used, it prevents the roll from slipping out of the recesses 25 and the cross piece 33 insures the retraction 25 of that part of the cloth remaining after the sold piece has been cut off so that the remaining end is not exposed to dust.

The spring yoke may also be used with the fingers 34 and 35 when they are substituted for the cleats. By using the fingers 30 instead of the cleats, the box is reversible, that is, the box can be placed either top up or top down and it will operate equally well for the fingers will hold the rod and its roll in place in either position. 35

It is contemplated that the box may be used without the goods being on a roll and that instead of being placed in the box on the roll, the cloth may be packed in the box in an accordion or any compress fold. 40 That is, the box is designed to have the cloth dispensed therefrom, either from a roll in the box or by having the cloth folded in the box.

What I claim is: 45

In a dispensing apparatus in combination a casing having an opening, a roll carrying a length of material to be dispensed within said casing, said material projecting through said casing, and means to retract 50 said material through said casing opening.

In testimony whereof I affix my signature.

DAVID LANGENZEN.