M. TICHELI.

STORE COUNTER.

APPLICATION FILED JUNE 1, 1917.

1,259,167.

Patented Mar. 12, 1918.

2 SHEETS—SHEET 1.

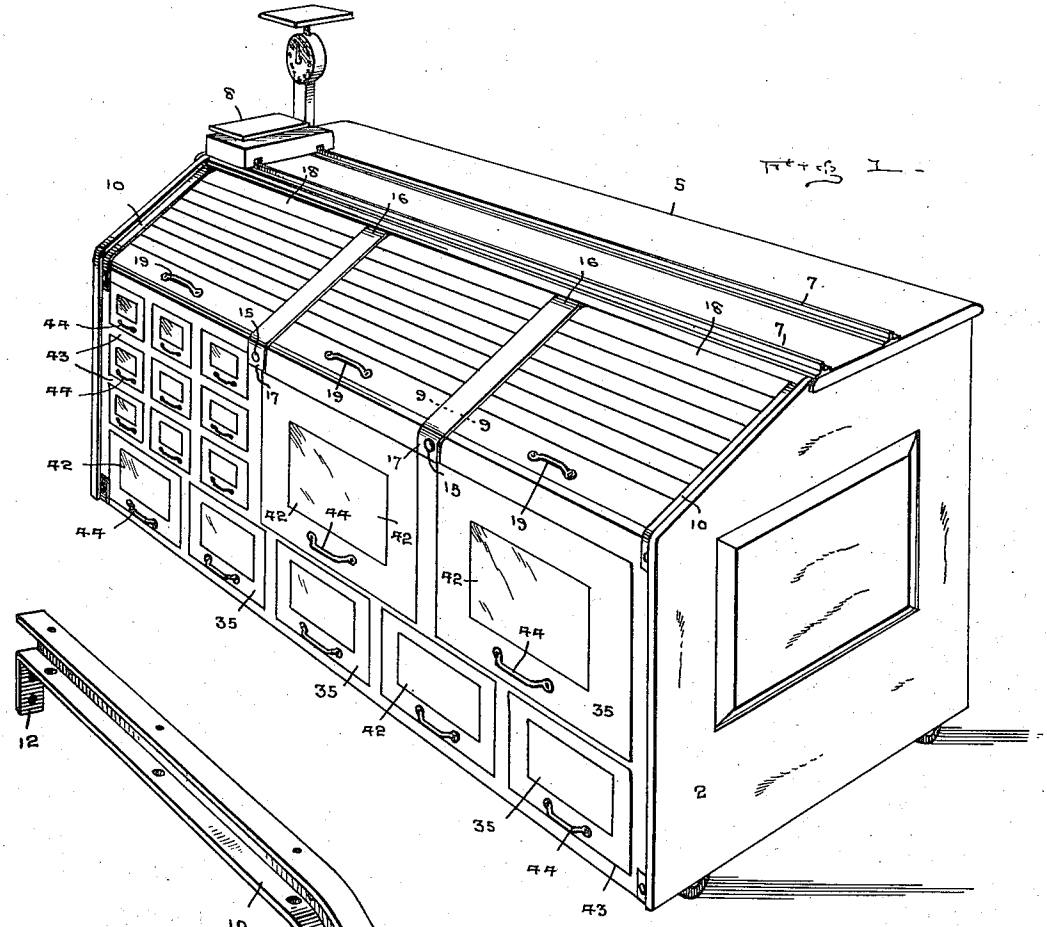


Fig. 1.

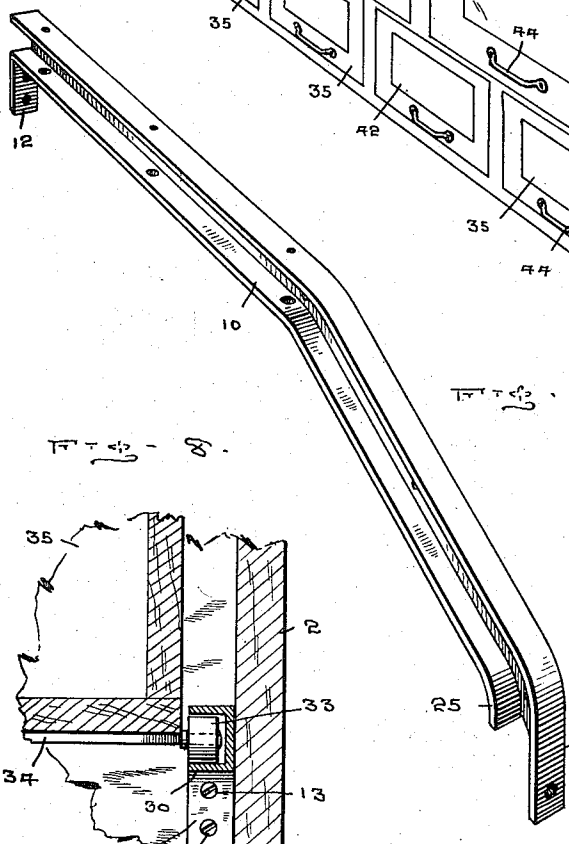


Fig. 4.

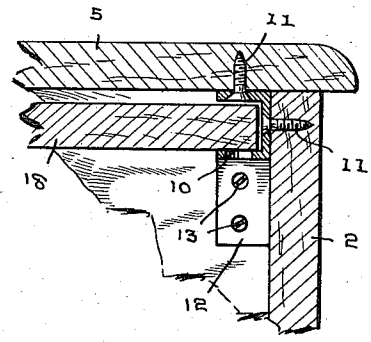


Fig. 3.

Fig. 8.

Inventor

M. Ticheli,

By W. T. Fitzgerald & Co

Attorneys

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2 SHEETS—SHEET 2.

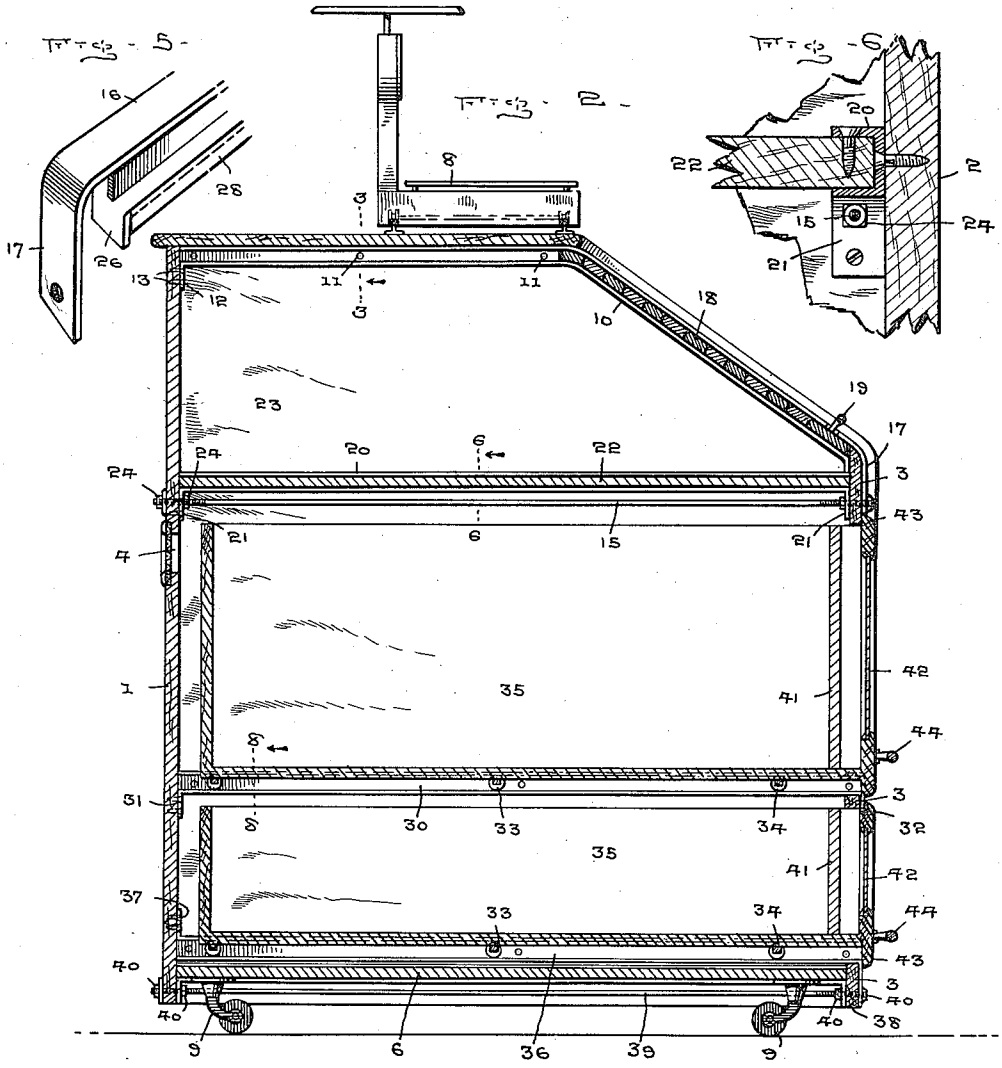


Fig. 5.

Fig. 2.

Fig. 6.

Fig. 9.

Fig. 7.

Fig. 10.

Inventor

M. Ticheli

By W. J. Fitzgerald & Co.

Attorneys

UNITED STATES PATENT OFFICE.

MICHELE TICHELI, OF COLUMBIA, LOUISIANA.

STORE-COUNTER.

1,259,167. Specification of Letters Patent. Patented Mar. 12, 1918.

Application filed June 1, 1917. Serial No. 172,284.

To all whom it may concern:

Be it known that I, MICHELE TICHELI, a citizen of the United States, residing at Columbia, in the parish of Caldwell and State of Louisiana, have invented certain new and useful Improvements in Store-Counters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in store counters and has for its object to provide one of a knock-down character whereby it can be readily and quickly disassembled and arranged in a compact bundle for shipment or transportation.

Another object of the invention is to provide a store counter embodying a plurality of bins and drawers, the front of each drawer being provided with suitable transparent material, whereby the contents within the sample compartment arranged within the forward part of each drawer may be viewed at all times.

A further object of the invention is to provide the top of the counter with a pair of track rails upon which is slidably mounted a suitable weighing scale.

A still further object of the invention is to provide the counter with swivel casters whereby the counter may be moved from place to place.

With these and other objects in view as will appear as the description proceeds, the invention comprises the various novel features of construction, combination and arrangement of parts as will be more fully described hereinafter and set forth with particularity in the appended claims.

Referring to the drawings,

Figure 1 is a perspective view of my improved construction of counter.

Fig. 2 is a vertical transverse sectional view through the same.

Fig. 3 is a fragmentary sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is a detail perspective view of one of the metal channel guides in which the bin lids are slidably mounted.

Fig. 5 is a detail perspective view of the lower end portion of one of the metal I-beam guides for the sliding lids and which are disposed intermediate the end guides.

Fig. 6 is a fragmentary sectional view taken on the line 6—6 of Fig. 2.

Fig. 7 is a detail perspective view of one of the metal channel guides used for supporting the drawers.

Fig. 8 is a fragmentary sectional view taken on the line 8—8 of Fig. 2.

Fig. 9 is a fragmentary sectional view taken on the line 9—9 of Fig. 1, and

Fig. 10 is a fragmentary vertical sectional view of the lower end portion of one of the bin partitions shown mounted in its respective channel guide.

Similar characters of reference are used to denote corresponding parts throughout the accompanying drawings and the following description.

Referring more particularly to the drawings, the reference numeral 1 represents the rear wall of the counter, 2 the end walls, and 3 the front wall.

The rear wall is provided with a screened ventilator opening 4, while the front wall 3 is provided with a plurality of drawer receiving openings. The counter is also provided with a top 5 and a bottom 6, the top 5 being provided with a pair of track rails 7 extending longitudinally thereof and upon which is slidably mounted a suitable weighing scale 8 which may be readily moved from one end of the counter to the other to suit the convenience of the clerk or person using the counter. The bottom 6 is also provided with swivel casters 9 through the medium of which the counter may be moved from place to place.

A metal channel guide 10, as indicated in Fig. 4 of the drawings, is attached to the inner surface of each end 2 and adjacent its upper edge by screws or bolts 11. The rear end of this channel guide is provided with a downwardly extending flange 12 that is adapted to bear against the inner surface of the rear wall 1 and is secured thereto by screws or other fastening means 13, while the forward end of the guide is provided with a downwardly extending flange 14 that is secured in overlapping relation to the front wall 3 by a truss rod 15.

Interposed between the end guides 10 are a pair of spaced I-beam guides 16 that are each provided with a downwardly extending flange 17 that is adapted to overlap the front wall 3 and is also secured thereto through the medium of additional truss rods 15. Each of the I-beam guides 16, as clearly shown in Fig. 5, is provided with channels on opposite sides of the web of the guide

for the reception of one of the side edges of the sliding lids 18. While the I-beam guides 16 support the inner side edges of the outermost pair of sliding lids, the angular guides 10 will serve to support the outer side edges of these lids. Each sliding lid 18 is provided with a suitable handle 19 by which they may be slid upwardly and inwardly within the metal guides and beneath the top 5 of the counter so as to give free access to the interior of the bins which are arranged in the upper portion of the counter.

Arranged horizontally upon the inner face of each end wall 2 is a metal channel guide 20 which is provided at its opposite ends with depending flanges 21 that are adapted to rest against the inner surfaces of the front and rear walls. These metal channel guides 20 support a partition 22 which serves as a bottom for all of the bins 23 arranged in the upper portion of the counter.

As shown, the partition 22 is designed to be held in its respective position with relation to the front and rear walls through the medium of the truss rods 15 which extend transversely through the front and rear walls and the depending flanges 21 of the guides 20 and are provided at each end and on opposite sides of each front and rear wall with nuts 24 in order to rigidly and securely hold the various relative parts in operative position. The intermediate portions of the counter are also secured together by additional truss rods 15 that extend through the front and rear walls and through the depending flanges 17 of the I-beam guides 16 Each of the end guides 10 is provided at its forward end with a downwardly extending end 25 that is designed to bear upon the channel guides 20 and serve in addition to the flange 14 to support the guide and the weight of the sliding lid 18. The I-beam guides 16 are each provided at their forward ends with depending flanges 26 that are designed to rest upon the partition 22 to help support the sliding lids and to further assist in bracing and adding rigidity to the counter structure when set up.

The bins 23 are separated by partitions 27, the upper edges of which are mounted in a channel guide formed by flanges 28 depending from the opposite sides of the I-beam guide 16, while the lower edges are supported in channel guides 29 mounted upon the partition 22.

Arranged on the inner surface of each end wall 2 is a horizontally disposed channel guide 30 that is provided adjacent its rear end with a depending flange 31 adapted to be secured to the inner surface of the rear wall by screws or other suitable fastening devices, while the front end is provided with a depending flange 32 that is adapted to overlap the front wall 3. I-beam channel guards are adapted to be disposed in the same horizontal plane with the channel guides 30 and are positioned intermediate them and serve in conjunction with the guides 30 to receive the supporting rollers 33 mounted on the opposite ends of a supporting shaft 34 rigidly secured to the bottom of the drawers 35.

The lower row of drawers 35 is supported by channel guides 36 mounted on the end walls 2 and by additional I-beam guides disposed in the same horizontal plane therewith. Each of the channel guides 36 is provided adjacent its rear end with upwardly extending flanges 37 detachably connected to the rear wall by screws or other suitable fastening devices, while the forward end of the guide is provided with a depending overlapping flange 38.

Additional truss rods 39 are extended through the front and rear walls, the depending flanges 38 of the guides 36 and are securely fastened to the front and rear walls by retaining nuts 40. These truss rods 39 serve to effectively brace and give the desired rigidity to the structure at the bottom when set up.

Each of the drawers 35 is removably positioned within the counter and each is provided adjacent its front end with a removable partition 41 that is slidably mounted in rabbeted guides formed in the opposite side walls of the drawer. These partitions 41 are designed to form a sample compartment in which a sample of the drawer contents may be arranged and which may be clearly viewed through a transparent window 42 arranged in the front of the drawer.

Each drawer 35 has its front wall provided with shoulders 43 that are designed to limit the initial movement of each drawer by its engagement with the front wall 3 of the counter, and in order to slide each drawer in and out of the counter, suitable handles 44 are secured thereto.

I claim:—

1. A counter comprising front and rear walls, end walls, top and bottom walls, channel guides secured to said end walls, a partition mounted horizontally within said guides, truss rods extending transversely through the counter and connecting said front and rear walls together, vertically and transversely disposed partitions arranged longitudinally of said counter and between said horizontal partition and the top of the counter and dividing the upper portion thereof into bins, angular channel guides arranged at the upper edges of said vertical partitions, and a sliding lid for each bin mounted in said angular channel guides.

2. A counter comprising front and rear walls, end walls, and a top wall, channel guides secured horizontally to said end walls and each provided with a depending flange at its opposite ends resting against

said front and rear walls, truss rods extending horizontally through said front and rear walls and the depending flanges of said channel guides and rigidly binding said parts together, vertically and transversely disposed partitions arranged longitudinally of the counter between said top and horizontal partition, angular channel guides arranged at the upper edges of said vertical partitions, and sliding lids mounted in said angular channel guides.

3. A counter comprising front and rear walls, end walls, and a top wall, channel guides secured horizontally to said end walls, a horizontal partition mounted in said channel guides, a channel guide mounted at the upper inner edge of each end wall, a plurality of spaced channel guides mounted transversely of said horizontal partition, a plurality of I-beam guides mounted in vertical planes with said transversely disposed channel guides and beneath said top, each I-beam formed in its bottom with a channel guide, spaced vertical transverse partitions mounted in the bottom channels of said I-beams and said spaced transverse channel guides, and lids slidably mounted in said I-beam guides and the upper end wall channel guides.

4. A counter comprising front and rear walls, end walls, top and bottom walls, channel guides mounted transversely of the end walls, a horizontal partition mounted in said channel guides, vertical partitions arranged transversely of the counter between said bottom and horizontal partition, channel guides arranged horizontally of said end walls and on opposite sides of said vertical partitions, and a plurality of drawers, each having supporting rollers projecting laterally into said last named horizontal channel guides.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MICHELE TICHELI.

Witnesses:
B. B. HINES,
R. M. COVETT.