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J. J. MOSS

1,773,540

STORE SERVICE DEVICE

Filed Oct. 15, 1928

2 Sheets-Sheet 1

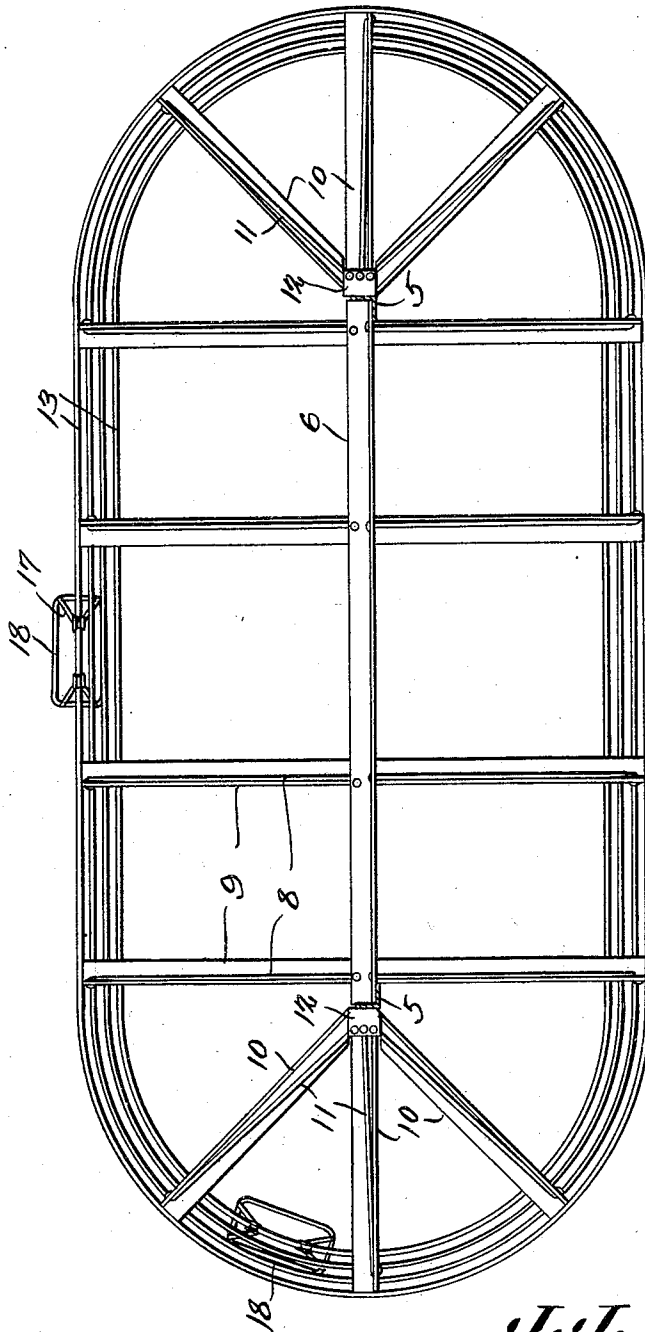


Fig. 1.

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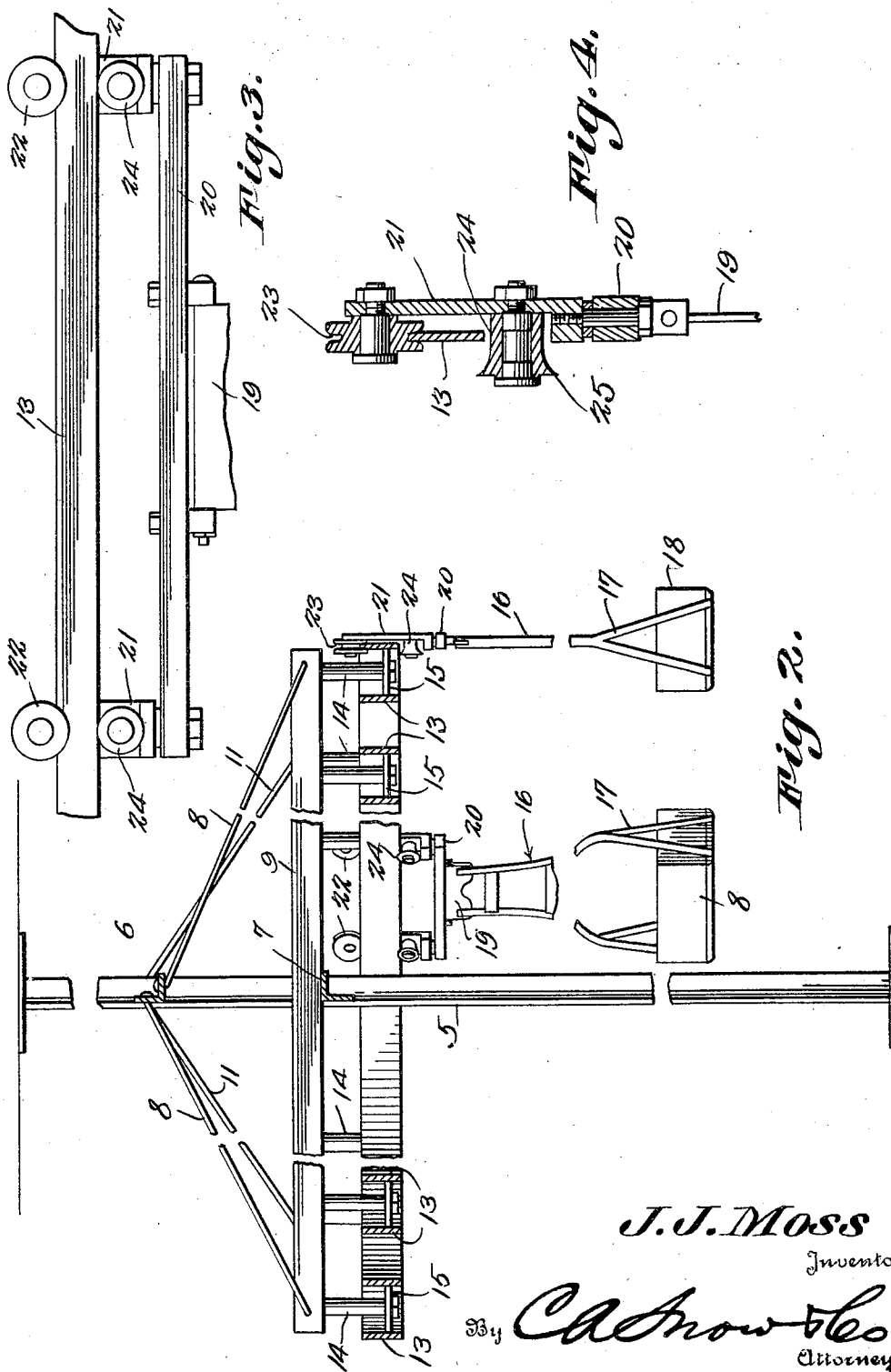
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2 Sheets-Sheet 2



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UNITED STATES PATENT OFFICE

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STORE SERVICE DEVICE

Application filed October 15, 1928. Serial No. 312,639.

This invention relates to a store service apparatus, and more particularly to an apparatus designed for use in stores employing the self service system.

5 The primary object of the invention is to provide carriers supported on endless tracks adjacent to the shelves of the store on which articles for sale are positioned, to the end that the purchaser will be relieved of the weight of the articles selected, while shopping.

10 An important object of the invention is to provide a hanger of a novel construction, so that the carriers may be swung laterally to allow a person using a carrier supported adjacent thereto to pass.

15 Another object of the invention is to provide a plurality of endless tracks supported in parallel spaced relation with respect to each other so that several carriers may be supported.

20 With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawings:

Figure 1 is a plan view of an apparatus constructed in accordance with the invention.

25 Figure 2 is a vertical sectional view through the tracks.

Figure 3 is an enlarged detail view of one of the hangers.

30 Figure 4 is a vertical sectional view through a hanger.

Referring to the drawings in detail, the device includes supporting posts 5 that are connected by means of the angle bars 6 and 7 respectively, the bars 6 being provided with openings to receive the rods 8 that also have

connection with the transverse supporting bars 9, and hold the angle bars 9 in true horizontal positions.

Bracing bars 10 are supported at the ends of the bar 7 and extend at oblique angles, as clearly shown by Figure 1 of the drawings, there being provided brace rods 11 extending from the bars 10 to the plates 12 secured to the posts 5 at points adjacent to the ends of the bar 6.

55 The reference character 13 designates track sections which are supported by means of the depending arms 14 that extend downwardly from the bars 9, the arms 14 passing through openings in the bars 15 that are secured between adjacent tracks 13, there being provided nuts on the ends of the arms 14 for securing the arms to the tracks.

60 The reference character 16 designates the carriers, each of which embodies supporting arms 17 in which the basket 18 is supported, the arms 17 extending upwardly where they are connected with the plate 19, which is pivotally connected to the bar 20 of the hanger.

65 At each end of the bar 20 is an upwardly extended bar 21 on which the wheels 22 are pivotally mounted, the wheels 22 being provided with grooves 23 that fit over the upper edge of the track section with which the carrier is used. Associated with each wheel 22, is a roller 24 also mounted on the bar 21 and disposed under the track, the roller 24 having a flared extremity 25 to hold the hanger to the track, against lateral movement.

70 In the use of the device, it is contemplated to erect a number of these tracks within a store, so that the carriers will move adjacent to the shelves on which the articles for sale are placed, the shelves being arranged adjacent to the walls of the room. It is obvious that a person may by moving a carrier along over the track, place the articles selected in the carrier, the weight of the articles being supported by the track.

I claim:

In a store service apparatus, a plurality of
oval track sections, carriers movable along
the track sections, each carrier including a
horizontal bar, upwardly extended bars at
5 the ends of the horizontal bar, grooved wheels
mounted at the upper ends of the upwardly
extended bars and resting on the track sec-
tions, a plate pivotally secured to the hori-
zontal bar, carrier arms secured to the plate,
10 and rollers having flared outer ends, mount-
ed on the upwardly extended bars and dis-
posed under the track associated therewith.

In testimony that I claim the foregoing as
my own, I have hereto affixed my signature.

15 JESSE J. MOSS.

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