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PROCESS AND APPARATUS FOR HANDLING OR DYEING RUGS OR THE LIKE

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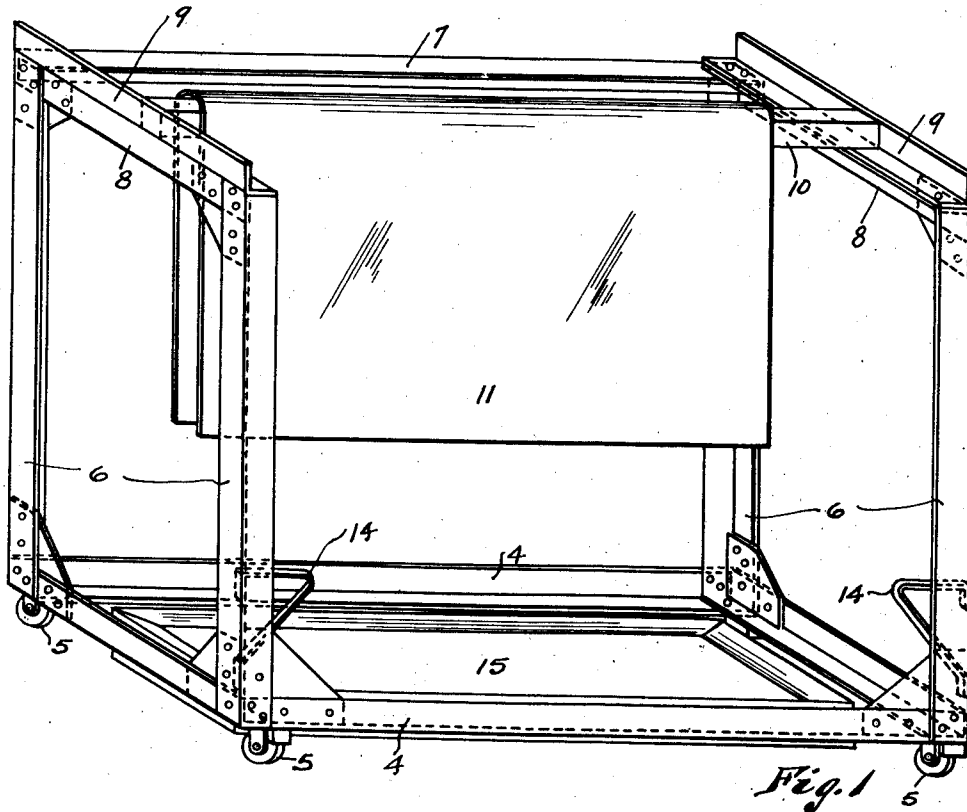


Fig. 2

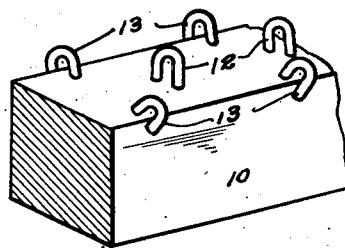
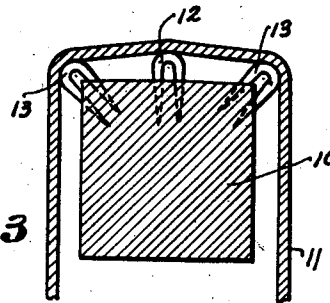


Fig. 3



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UNITED STATES PATENT OFFICE.

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PROCESS AND APPARATUS FOR HANDLING OR DYEING RUGS OR THE LIKE.

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My invention relates to improvements in process and apparatus for handling or dyeing rugs and the like, and has for its object the provision of an improved process and apparatus of this character by means of which the handling and dyeing of rugs and the like is greatly facilitated.

Other objects will appear hereinafter.

The invention consists in the process and method and apparatus for carrying on the same hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which,

Fig. 1 is a perspective view of apparatus employed in carrying on the process,

Fig. 2, a perspective view of a partial supporting bar or pole employed in the apparatus, and

Fig. 3, a transverse section of said supporting bar shown in position of use.

The preferred form of apparatus for carrying on the process comprises a suitable truck provided with a rectangular base 4 formed of angle irons as shown and mounted upon suitable caster wheels 5. Upstanding supporting posts 6, preferably in the form of angle irons, are arranged at the four corners of the base 4 as shown and project upwardly therefrom as shown. The upper ends of the posts 6 are connected by connecting bars 7 and 8, preferably in the form of angle irons, the bar 7 extending across the rear of the truck and the bars 8 across each end thereof, the remaining side of the truck being left open as shown. Additional angle irons 9 are secured on top of the angle irons 8 with one of their legs projecting horizontally and inwardly and the other legs projecting vertically to form suitable supports for removably supporting bars or poles 10 as indicated. The supporting bars 10 are made of wood and of a length to span the space between the angle irons 9 and whereby said bars 10 may be readily placed on or removed from said angle irons, with a rug or similar flexible article 11 folded thereover as shown and hanging within the interior of the truck, the open side of the truck greatly facilitating the operation in placing the supporting bars in and removing them from the truck. The vertical legs of the angle irons 9 constitute stops for the ends of the bars 10 and where-

by accidental displacement of the bars longitudinally is prevented. The supporting bars 10 are provided with a line of metal staples 12 driven centrally in the top thereof and projecting upwardly therefrom, and with additional lines of similar staples 13 driven diagonally into each upper corner of the bars, as shown. By this arrangement it will be observed that a rug or other similar article will be supported on the bar 10 at a plurality of separated and comparatively minute points and clear of the top and sides of said bar, as best shown in Fig. 3. Suitable steps 14 are provided on the posts 6 at the open side of the truck to facilitate the operation of inserting and removing the bars 10 with the rugs 11 thereon, and a suitable drip pan 15 is provided for catching the drippings from the rugs.

In dyeing rugs, the dye is first applied to the rugs in any suitable or desired way, thus necessarily dampening or wetting the rug. Then the rug is folded over a supporting bar 10 and inserted into the truck as indicated, a comparatively large number of rugs being thus dyed and arranged on the truck. Thereupon the truck is wheeled into a suitable drying room and the dye properly dried therein. In this way wooden bars may be utilized for supporting the rugs during the drying of the dye and at the same time the rugs supported at a plurality of separated and comparatively minute points and out of actual contact with the top or sides of the supporting bars. In this way the use of metal for the supporting bars which tends to contaminate and impair the dyes through accidental contact therewith may be avoided and at the same time the crushing or flattening down of the nap or the projecting fibre of the rug through comparatively large and well defined and apparent areas, avoided. In the scouring or renovating of rugs and carpets, the same are usually treated with a cleaning compound or paste and then flushed with water thoroughly dampening or wetting the same. It is then necessary to dry the rugs or carpets and to this end the same are folded over the bars 10 and arranged on the truck for drying purposes. During the drying the rugs or carpets will be supported at a plurality of separated and comparatively minute points and whereby the crushing or flattening down of the nap is avoided. The

specific form and arrangement of the truck employed constitutes a simple and efficient arrangement for the purpose.

While I have illustrated and described the preferred process or method and apparatus for carrying on the same, these are capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise method and apparatus set forth but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

Having described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. The process of dyeing flexible articles which consists in applying the dye; then

folding the article over a support making a large number of comparatively minute and separated contacts therewith; and then permitting said article to dry, substantially as described.

2. The process of dyeing flexible articles which consists in applying the dye; then folding the article over a wooden support having a metallic supporting members projecting therefrom and making a large number of comparatively minute and separated contacts therewith; and permitting said article to dry while suspended on said support, substantially as described.

In testimony whereof I have signed my name to this specification.

WALTER E. OLSON.