C. R. TAYLOR & M. BRAYMES.

DEVICE FOR ROLLING RUGS.

APPLICATION FILED MAY 8, 1916.

1,226,407. Patented May 15, 1917.

FIG 1

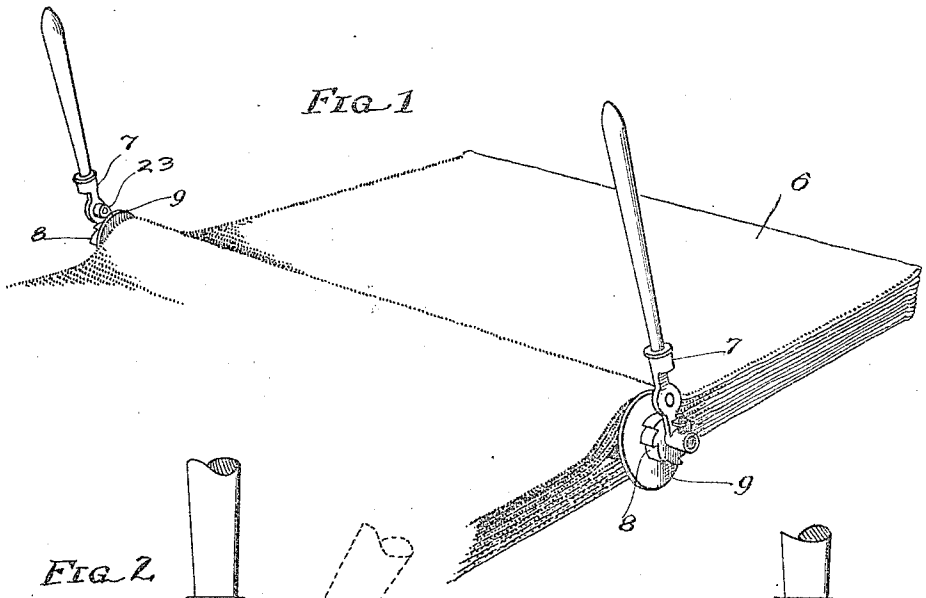


FIG 2

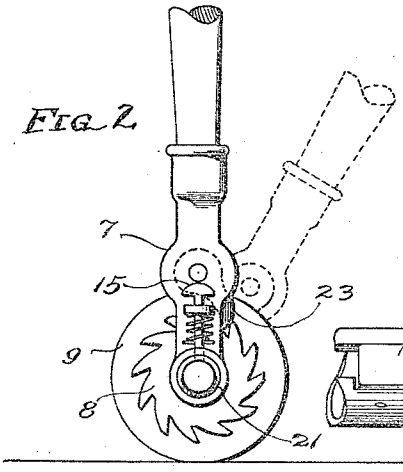


FIG 3

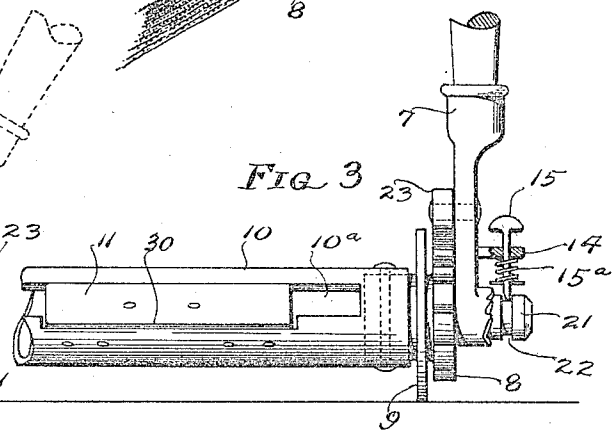


FIG 4

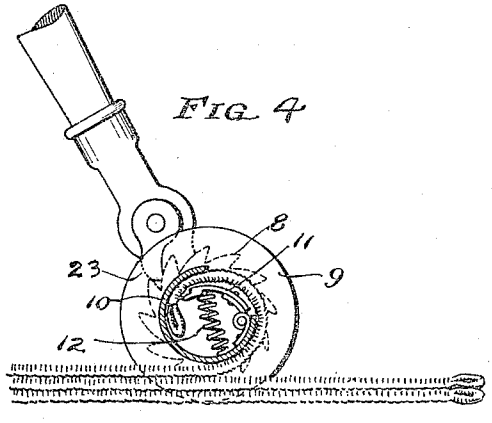
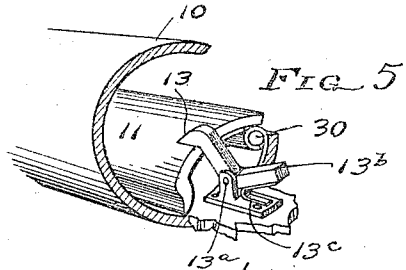


FIG 5



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UNITED STATES PATENT OFFICE.

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DEVICE FOR ROLLING RUGS.

1,226,407. Specification of Letters Patent. Patented May 15, 1917.

Application filed May 8, 1916. Serial No. 96,183.

To all whom it may concern:

Be it known that we, CARL R. TAYLOR and MARK BRAYMES, citizens of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Devices for Rolling Rugs, of which the following is a specification.

This invention is a device for rolling rugs, and it is especially adapted for rolling rugs in a pile, for the purpose of removing the same from the pile.

In carpet stores rugs are usually stacked in piles of twenty or more, and it is a matter of some difficulty to withdraw a rug from the pile. It is usually done by turning back one end of all the rugs above the selected rug in one direction, and then turning under the latter, and then turning back the top layers and repeating the operation with the other end until the desired rug is again reached, and it is then pulled out.

By means of the present invention this labor can be avoided. The device is brought to the end of the pile, and the end of the selected rug is clamped to a roller, which is then rolled under the upper rugs and the desired rug is wound thereon and finally rolled out at the other end of the pile, and it may then be unrolled in a suitable place for inspection. The roller is operated by means of handles and pawl and ratchet devices at the ends thereof.

In the accompanying drawings—

Figure 1 is a perspective view of the device in use.

Fig. 2 is an end view.

Fig. 3 is a detail in front view.

Fig. 4 is a cross section.

Fig. 5 is a detail in perspective showing the clamping device.

Referring specifically to the drawings, 6 indicates a pile of rugs. 10 is a hollow roller, which may be made of metal or which has a longitudinal slot 10^a. This roller is fixed at its ends to the hubs of disk wheels 9, which carry ratchet wheels 8, and the wheels have gudgeons 21 which are grooved as indicated at 22. Loosely mounted upon each gudgeon is a lever handle 7 which carries a pawl 23 engageable with the ratchet 8, the pawl being located at the inenr side of the lever. On its outer side the lever has a bracket 14 forming a guide for a pin 15 which is caused to engage in the groove 22 by a spring 15^a, the whole forming a latch to hold the lever on the gudgeon.

One or more clamps may be used, along the roller, to engage the end of the rug. Each clamp as illustrated consists of a segmental leaf 11 which is hinged to the roller at one edge of the slot 10^a as indicated at 30, and its free end is pressed toward the opposite end of the slot by a spring 12, the edge of the leaf lapping the edge of the roller at the slot, on the inside. To hold the leaf open, as shown in Fig. 5, a latch is provided having a hooked end 13 and an angular end 13^b, forming a bent lever which is pivoted at the angle as indicated at 13^a, to a bracket on the inside of the roller. A spring 13^c tends to hold the latch engaged with the leaf.

In the use of the device, the clamping leaf (or leaves) is pressed open as shown in Fig. 5, and the latch engaged. The device is then placed along the end of the rug, which end is inserted through the slot. The latch 13 is then released and the spring 12 forces the leaf against the inserted end of the rug to clamp the same. Then, by manipulation of the levers, the roller is turned and the rug wound thereon. This action may be performed on one of the lower rugs of the pile without removing the upper rugs, as the latter will lift to allow the roller to move or slide thereunder, from one end to the other, and finally rolled out with the desired rug thereon. After the rug is so rolled up or withdrawn, the handles may be detached by releasing the pin 15 and sliding the same off of the gudgeons, and the rug unrolled at any desired space. The device will be operated by a man at each end, and provides a convenient means for the purpose stated. Also, a rug on the roller can be readily transported from one place to another, by rolling the device along the floor, like a truck. The levers, with the pawl and ratchet arrangement, enable the necessary power to be applied where the desired rug is under a pile.

What we claim as new is:

1. A rug rolling device comprising a roller having wheels fixed to the ends thereof, means to attach the end of a rug or the like to the roller and operating handles pivotally connected to the opposite ends of the roller and adapted to turn the roller, to wind the rug thereon, and also to roll the wheels along the floor.

2. A device for rolling rugs or the like, comprising a roller having wheels fixed to the ends thereof, means to attach a rug or the like to the roller, and means carried by each wheel to turn the same and the roller.

3. A device for rolling rugs or the like, comprising a roller having wheels fixed to the ends thereof, means to attach the end of a rug to the roller, a ratchet on each wheel, levers fulcrumed on the ends of the roller, and pawls carried by the lever and engaging the ratchets.

In testimony whereof, we do affix our signatures in presence of two witnesses.

CARL R. TAYLOR.
MARK BRAYMES.

Witnesses:
JOHN A. BOMMHARDT,
CHARLES E. BOWMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."