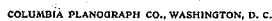


APPLICATION FILED SEPT. 24, 1912.

Patented May 20, 1913.

2 SHEETS—SHEET 1.

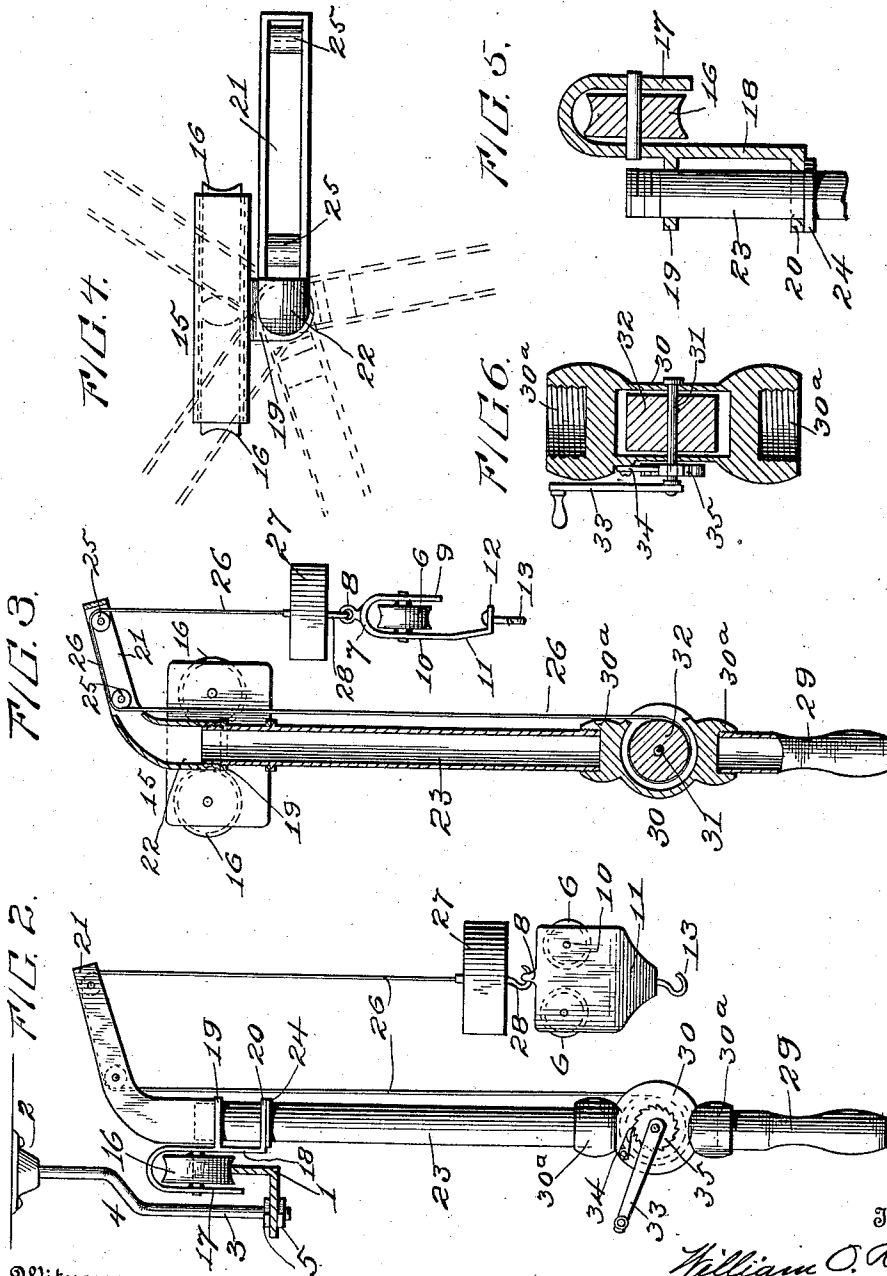


W. O. RITTER.
 DISPLAY HANGER.
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1,062,416.

Patented May 20, 1913.

2 SHEETS-SHEET 2.



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM O. RITTER, OF FRENCH LICK, INDIANA.

DISPLAY-HANGER.

1,062,416.

Specification of Letters Patent.

Patented May 20, 1913.

Application filed September 24, 1912. Serial No. 722,099.

To all whom it may concern:

Be it known that I, WILLIAM O. RITTER, a citizen of the United States, residing at French Lick, in the county of Orange and State of Indiana, have invented certain new and useful Improvements in Display-Hangers, of which the following is a specification.

This invention relates to the class of devices employed for suspending and displaying articles of merchandise such as drug-gets, rugs, tapestry and the like.

The object of the invention is to provide a traveling hanger for suspending rugs and similar articles, and to furnish novel and peculiar means for raising and lowering such articles, and for expeditiously swinging them to various positions as desired for purposes of inspection and display.

A further object of the invention is to provide, in a rug display hanger, a traveling revoluble crane of special construction for operating one or more trolleys of special construction, and to furnish novel and peculiar mechanism in the crane for controlling the vertical movement of said trolleys.

In the accompanying drawings forming part of this application:—Figure 1 is a side elevation showing the application of the invention in displaying rugs, partly broken away. Fig. 2 is a cross section of the track. Fig. 3 is a vertical section of the crane. Fig. 4 is a top view of the crane trolley, the dotted lines showing various revoluble positions of the crane arm. Fig. 5 is a detail sectional view of the crane trolley. Fig. 6 is a detail perspective view of the rod coupling. Fig. 7 is an end view of a track showing modified means for suspending it.

The same reference characters denote the same parts throughout the several views of the drawings.

A track 1, preferably composed of angle iron, is suspended from a ceiling or other place of suspension, by means of ceiling plates 2, and hanger-rods 3 which have an off-set 4 so as to position the vertical rail of the track in vertical alinement with the said plates, and so as to permit the trolleys, hereinafter particularly referred to, to be operated without interfering with the hanger-rods 3. The rods 3 are adjustably secured to the track 1 by nuts 5, so that the track may be alined as desired or as occasion may demand.

The rug trolleys, of which there may be as many as desired, are the same in construction

and operation, therefore only one of them will be described in detail. Such trolley comprises a pair of sheaves 6 journaled in a casing having a closed top 7, provided with a central ring 8, a short side 9, and a long side 10 having an angular depending portion 11 extending inwardly and downwardly and terminating in a foot-piece 12 central of the trolley and in the vertical plane of the ring, and a hook 13 is swiveled to the foot-piece for suspending the rugs 14.

The crane trolley 15 comprises a pair of sheaves 16 journaled in a casing having a closed top, a short side 17 and a long side 18, provided with an upper and a lower journal bearing ring 19 and 20 respectively which project laterally from the outer face of the long side 18, of the casing.

The crane comprises an arm 21 having a screw end or socket 22 bearing on the upper ring 19, a hollow rod 23 having a screw end extending through the rings 19 and 20 and attached to the socket 22, and the rod is provided with a collar 24 upon which the lower ring 20 rests. The rings 19 and 20 form bearings upon which the crane arm is revolved or placed in any desired position. The arm 21 is provided with a pair of guide sheaves 25 for a chain, rope or cable 26, to the free end of which is attached a counter weight 27, having a hook 28 for engaging the trolley rings 8. A hand piece 29 is connected with the crane rod 23 by means of a coupling 30 having screw socket ends 30^a, a shaft 31 journaled in the coupling and having a drum or windlass 32 mounted therein central of the coupling. The drum is operated by a hand crank 33, and the shaft is controlled by a pawl 34, and ratchet wheel 35, for controlling the movement of the rope or chain 26 which is attached to and operated by the drum.

It will be seen that the crane trolley may be moved lengthwise the track to any desired position, that the hook weight is lowered, by operating the drum, to any position required for hooking the rug trolleys, that a reverse movement of the drum will raise the rug trolleys above the track, so that they may be lowered onto the track and the weight hook disconnected, leaving the rugs suspended by the rug trolleys so that the rugs may be moved lengthwise the track and turned, by means of the swiveled hooks, as desired for inspection and display.

The track may be suspended from a side

wall by means of brackets 36, (one of which is shown in Fig. 7,) extending under the base 37 of the track and secured thereto by bolts 38.

5 I do not wish to limit the invention to any particular number of rug trolleys nor to the exact shape or material of which the several parts may be made, but reserve to myself the right to make such changes and
10 variations in the practical application of the invention as will come within the scope of the appended claims.

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

1. In an apparatus for displaying rugs, a traveling crane comprising a trolley having a pair of parallel projections on one side thereof, a rod extending through the pro-
20 jections and depending therefrom for propelling the trolley, an arm attached to the

upper end of the rod and supported by one of the projections so as to be revolved above the trolley, and means for connecting the arm with the rugs. 25

2. In an apparatus for displaying rugs, a traveling crane comprising a trolley having a pair of parallel projections on one side thereof, a rod extending through the pro-
30 jections and depending therefrom for propelling the trolley, an arm having a screw-socket fitting the upper end of the rod and supported by one of the projections so as to be revolved above the trolley, a collar on the rod under the other projection, and means
35 for connecting the arm with the rugs.

In witness whereof I hereunto set my hand in the presence of two witnesses.

WILLIAM O. RITTER.

Witnesses:

JAS. O. SANDERS,
W. W. CAVE.

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