March 4, 1924. 1,485,587

H. S. BEST

DISPLAY RACK

Filed June 16, 1923

Fig. 1

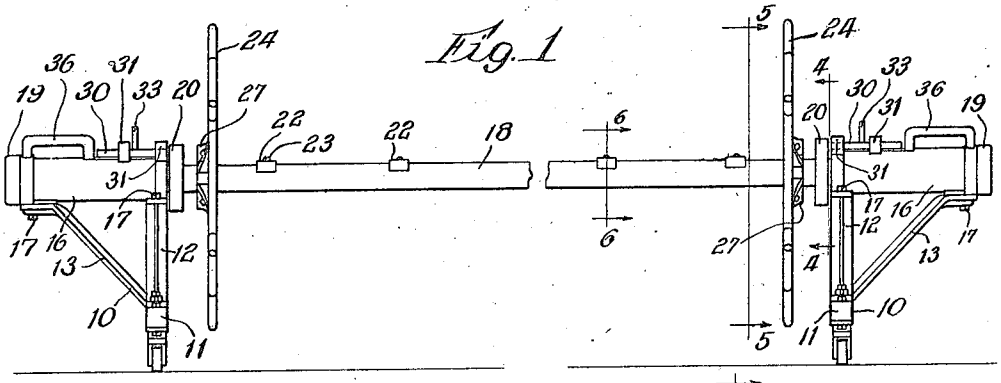


Fig. 3

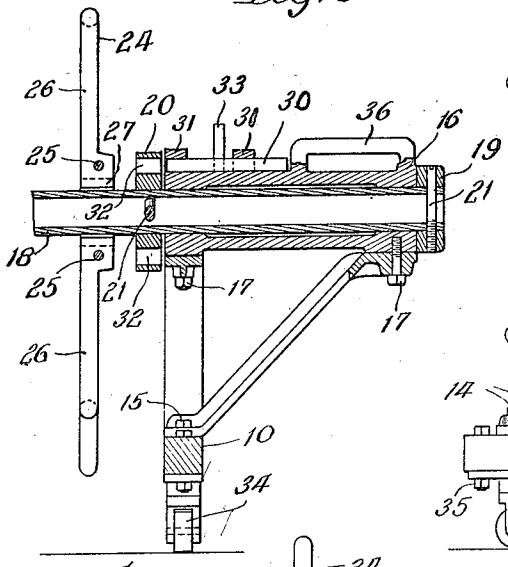


Fig. 2

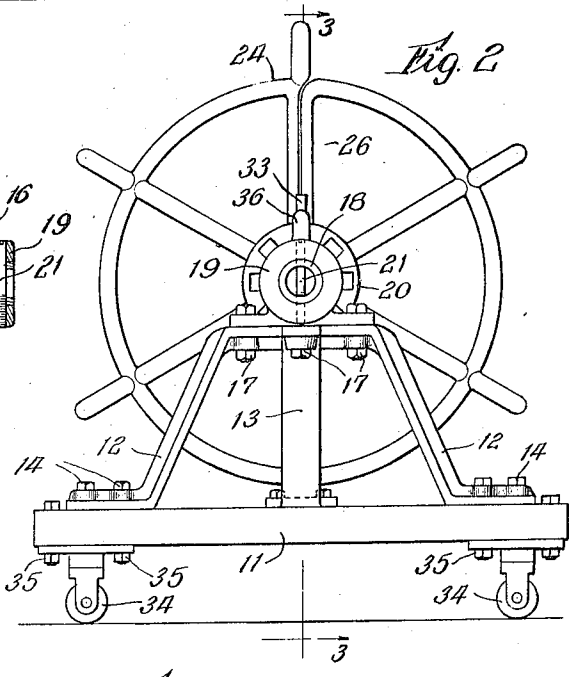


Fig. 5

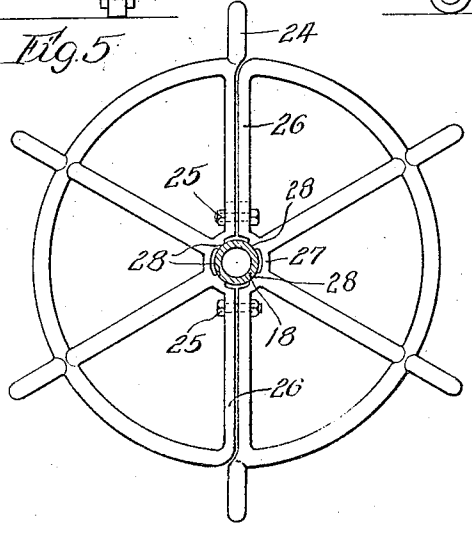


Fig. 6

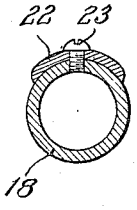
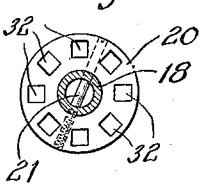


Fig. 4



Inventor:
Harry Sumner Best
By: Wm. O. Belt
Atty

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UNITED STATES PATENT OFFICE.

HARRY SUMNER BEST, OF GALVA, ILLINOIS, ASSIGNOR TO CHARLOTTE S. BEST, OF GALVA, ILLINOIS, EXECUTRIX OF JOHN H. BEST, DECEASED.

DISPLAY RACK.

Application filed June 16, 1923. Serial No. 645,748.

To all whom it may concern:

Be it known that I, HARRY SUMNER BEST, a citizen of the United States, residing at Galva, in the county of Henry and State of Illinois, have invented certain new and useful Improvements in Display Racks, of which the following is a specification.

My invention particularly relates to a display rack adapted to be employed in connection with chenilles, carpets, canvas and goods of a similar character.

The main object of my invention is to provide an improved display rack upon which a single roll of goods of the character described may be stored in a compact roll, the roll being readily accessible for the purpose of display so that any desired length of goods may be withdrawn from the roll and displayed and then either cut off from the roll or returned to the roll.

Other objects of my invention are to provide an improved display rack of the character described, which is portable in its nature, which has adjustable means for guiding the goods into compact rolls when the goods are wound upon a revoluble member of the rack, and which has means for locking the revoluble member against rotation.

Other objects of my invention will become apparent as the detail description progresses, reference being had to the accompanying drawings, wherein—

Fig. 1 is an elevation of my improved display rack.

Fig. 2 is an end elevation of my improved display rack.

Fig. 3 is a section taken on line 3—3 of Fig. 2.

Fig. 4 is a section taken on line 4—4 of Fig. 1.

Fig. 5 is a section taken on line 5—5 of Fig. 1.

Fig. 6 is a section taken on line 6—6 of Fig. 1.

Referring for the present to Figs. 1, 2, and 3, the reference character 10 is employed to designate each of a pair of frame members or standards. Each standard 10 comprises a crossbar 11, a pair of brackets 12, and a third bracket 13, the brackets 12 being rigidly secured to the crossbar 11 by bolts 14. The bracket 13 is secured to the crossbar by bolts 15. The several brackets of each of the standards 10 are adapted to support one of a pair of bearings 16, the bearings being secured to the brackets by means of bolts 17. The bearings 16 rotatably journal a tube 18, each bearing and its associated bracket being disposed at one end of the tube. The standards 10 are held against longitudinal displacement relative to the tube 18 by means of a plurality of collars 19 and a plurality of collars 20 carried by the tube. Each collar 19 is rigidly secured to the tube 18 in a position wherein it lies adjacent the outer end of one of the bearings 16 and each of the collars 20 is rigidly secured to the tube 18 in a position wherein it lies adjacent the inner end of one of the bearings 16, as shown in Figs. 1 and 3. The means for securing the collars 19 and 20 to the tube 18, comprises a plurality of threaded pins 21. It is apparent that the standards 10 will be held in spaced relation through the medium of the tube 18 and its collars 19 and 20.

The tube 18 is provided with a plurality of clamps 22, which are adjustably secured to the tube by a plurality of screws 23 threaded into the tube, the clamps may be employed to secure one end of a carpet or the like to the tube. To fasten one end of a carpet to the tube it is only necessary to loosen the screw 23 of each clamp 22 so as to permit one edge of the carpet to be inserted between the clamp and the cylindrical surface of the tube. The screws 23 may then be tightened until the clamps 22 securely hold the edge of the carpet. It will be readily understood that a carpet having one edge thereof secured to the tube 18 by means of the clamps 22 may be compactly wound upon the tube. To accomplish this I have provided a plurality of marine hand wheels 24 whereby the operator may rotate the tube, the marine hand wheels 24 being adjustably secured to the tube 11 so that they may be employed as guides for the side edges of a carpet or the like being wound upon the tube. It will be noted that each of the marine hand wheels 24 is constructed of two separable identical halves as shown in Figs. 3 and 5. The separable halves of each marine hand wheel are secured to each other by a plurality of bolts 25 which pass through split spokes 26 of the wheel. The split hub 27 of each wheel

24 is provided with a plurality of bearing surfaces 28, which are adapted to frictionally engage the cylindrical surface of the tube 18. This construction permits the wheels to be secured in a plurality of adjusted positions relative to the tube 18 to accommodate carpets and the like of various widths.

To lock the tube 18 against rotation when a roll of goods has been wound thereupon or when any desired length of goods has been unwound from the tube, I have provided a plurality of locking bolts 30, one of each is associated with each of the bearings 16. Each bearing 16 has a plurality of apertured lugs 31 which are adapted to slidably journal the associated locking bolt 30 in a position wherein it may be aligned with any one of a plurality of apertures 32 formed in the collar 20 which is associated with that bearing and locking bolt. Each locking bolt 30 has an upwardly protecting pin 33 affording means whereby the operator may bring the locking bolt into and out of engagement with the apertures 32 in the collar 20.

To facilitate the handling of the display rack and therefore the roll of goods which is carried by it, I have provided each of the standards 10 with a plurality of casters 34, the casters 34 being secured to the crossbar 11 by bolts 35. And each of the bearings 16 has a handle 36 cast integrally therewith so that the operator may pull either end of the display rack into any desired position.

The advantages of my improved display rack are apparent. The revoluble member which is adapted to carry the roll of goods is rotatably journaled in a pair of standards held in spaced relation by means of collars carried by the revoluble member. This obviates the necessity of having a long fabricated frame which would have bearings for rotatably journaling the ends of the revoluble member. Such a frame would add to the weight of the device, thus hindering the work of the operator if several display racks were to be brought to a desired position one after the other.

I am aware that changes in the form, construction and arrangement of parts may be made without departing from the spirit and without sacrificing the advantages of the invention and I reserve the right to make all such changes as fairly fall within the scope of the following claims.

I claim—

1. A device of the class described comprising a plurality of standards, a tube rotatably journaled in the standards, means for clamping one end of a carpet or the like to the tube, and hand wheels adjustably secured to the tube and adapted to guide a carpet or the like when it is wound upon the tube.

2. A device of the class described comprising a plurality of standards, a single tube rotatably journaled in the standards, a plurality of collars carried by the tube, the standards being held in spaced relation solely by means of the tube and collars, and means carried by one of the standards and adapted to engage one of the collars to lock the tube against axial rotation.

3. A device of the class described comprising a plurality of standards, a tube rotatably journaled in the standards, means for clamping one end of a carpet or the like to the tube, a hand wheel secured to the tube and adapted to guide one edge of a carpet or the like being wound upon the tube, and a second hand wheel adjustably secured to the tube and adapted to guide the other edge of the carpet being wound upon the tube.

4. A device of the class described comprising a plurality of standards, a single tube rotatably journaled in the standards, a plurality of collars carried by the tube, the standards being held in spaced relation solely by means of the tube and collars, and a bolt slidably journaled in one of the standards and adapted to engage one of the collars to lock the tube against axial rotation.

HARRY SUMNER BEST.