

(No Model.)

C. L. TAYLOR.
MEANS FOR SUPPORTING CARPET ROLLS.

No. 529,973.

Patented Nov. 27, 1894.

Fig. 1.

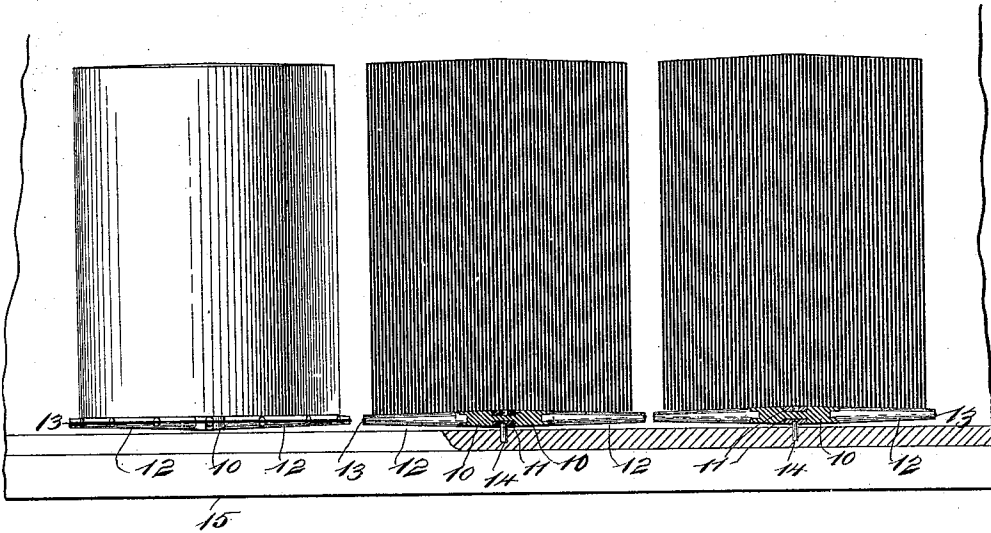


Fig. 2.

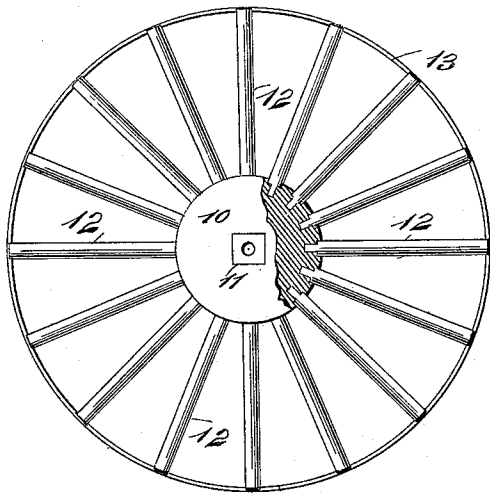


Fig. 3.

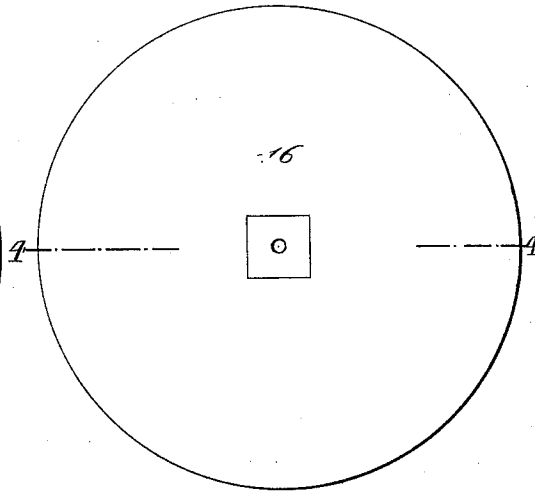
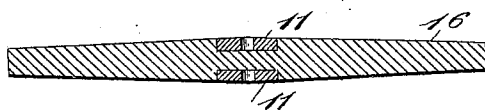


Fig. 4.



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MEANS FOR SUPPORTING CARPET-ROLLS.

SPECIFICATION forming part of Letters Patent No. 529,973, dated November 27, 1894.

Application filed April 21, 1894. Serial No. 508,420. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. TAYLOR, of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Improved Means for Supporting Carpet-Rolls, of which the following is a full, clear, and exact description.

My invention relates to an improved means for unrolling and re-rolling carpet in cylindrical bales or rolls, and more particularly the finer grades of carpet that are woven with a looped or plush piled surface, such as Moquette, Wilton or Axminster, velvet or Brussels carpet. The rolls of the styles of floor coverings that have been named are always placed on one end to re-roll a portion that has been unwrapped, this being necessary to properly adjust the carpet coils on the roll, and also to avoid crushing the pile on the part that is to be replaced.

Ordinarily it has been the practice to manipulate a roll of pile carpet on end by revolving the unrolled portion so as to restore it to place on the roll, when this is necessary after an exhibition of the quality and pattern on the floor space of the store devoted to such a purpose. As the edge of the carpet receives the weight and wear incidental to such a method of handling, and the floor being at times dusty, valuable carpets are frequently soiled along the edge so as to seriously impair their appearance when joined at the soiled edges, and consequently are thus depreciated in value.

The objects of my invention are to provide a novel device for the support and re-rolling or unrolling of carpets of a good quality, which will lighten the labor of handling a large roll of carpet, quicken the operation, and avoid injury to the edges of the rolled carpet which results from the ordinary method of handling the same to restore unrolled portions to the bale.

To these ends my invention consists in the peculiar stand and base support for carpet rolls, constructed as is hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views shown.

Figure 1 is a partly sectional side view of

three of the improved base supports, holding carpet rolls in series on a platform, for exhibition of the goods in a rolled condition. Fig. 2 is an enlarged plan view of the device in preferred form. Fig. 3 represents the carpet holding and rotating device in modified form; and Fig. 4 is a transverse sectional view of the base support shown in Fig. 1, taken on the line 4—4 in said figure.

In its preferred form the base support comprises a wheel-like structure having a disk-shaped hub 10, that is provided with a central box 11 of hard material, which may be extended through the hub and centrally perforated, or be formed in two similar pieces that are embedded in suitable recesses formed in the hub faces to receive them, these pieces 11 being oppositely perforated for the free reception of a cylindrical journal stud, as will be hereinafter explained. A series of radial bars 12 is secured at spaced intervals in or to the periphery of the hub piece 10, and have an equal degree of projection therefrom in the same plane. To render the device efficient in service, the bars 12 are preferably tapered from the hub to their outer ends as shown best in Fig. 1, and are all bound in place by the circumferential band 13, that is inserted in a shallow groove produced in the outer end of each bar, any suitable means being employed to tighten the band on the latter, so that its constriction will render the completed device strong, while lightness is afforded by the skeleton formation of the same.

In the modified form of the improved carpet-holding base support, a solid disk 16 of any suitable material is provided, having its opposite or side faces convexed so as to evenly slope the body from a circular line at a preferred distance from the center, which latter may have the perforated boxes 11 inlaid, as has been explained with regard to those inserted in the hub 10. It is customary in carpet stores to provide a slightly raised platform of proper width and length along the side or sides of the exhibition room, whereon the rolls of carpet are stood on end in a row, or rows, when two opposite platforms are provided.

To carry into effect the advantageous method of operation to be attained by the employment of the improvement for the purpose of supporting the carpet rolls, a row of

similar journal studs such as 14, is arranged to project a proper distance above the platform or stand 15, as shown in Fig. 1. When the carpet in rolls is to be placed in position 5 on the platform, using the improvement as a base support for each roll, the device is laid flat on one face on the floor, or if preferred may be located on the platform with one of the journal studs 14 inserted in the perforated 10 box of the base piece.

The carpet in rolled condition is seated on the convex upper face of the improved base piece, which by its peculiar conformation is adapted to cause a corresponding protrusion 15 of the carpet at its top edge, the concavity of the lower end of the roll induced by its close engagement with the convex side of the circular base piece serving to retain the carpet roll centrally thereon.

It will be seen that when a number of rolls 20 of carpet are arranged in spaced order on a platform, having each an intervening base of the improved form, said rolls may be unrolled at their free ends with great facility to display the right side of the carpet, and in like 25 manner may be returned to the roll when desired, by a rotation of the roll and the base piece; and, it is evident that injury to the lower edges of the rolls of carpet is avoided 30 by the improved method and means of handling said rolls.

Should it be desired to remove the carpet roll from the platform to spread a portion flat upon the exhibition floor, the operator simply 35 tips the roll from the base piece, and places it upon a similar base piece that is provided for the purpose of handling the rolls, and it can then be spun around in a gyratory progressive manner to locate the roll at any point 40 on the floor, this being effected with ease and avoidance of injury to the edge of the carpet, that is maintained a short distance above the floor by the improved base support, which should have about the same diameter as an 45 unbroken roll of carpet.

After displaying a part of a carpet roll that is mounted on the improved support as has been explained, the unrolled portion can, if desired, be speedily and easily re-rolled by

turning the roll on the central part of said 50 support that is seated on the floor, which will restore the carpet to the roll in an obvious manner.

The improvement is light, durable and inexpensive, and as has been made clear by the 55 foregoing description, serves to lighten the labor of handling heavy rolls of carpet, keeps the latter from an injurious contact of its edges with the floor, thereby saving a depreciation of value in the goods, and fills a want 60 long felt by the trade, to secure the meritorious features it possesses and avoid the defects incidental to the usual way of mounting and displaying carpets.

Having thus described my invention, I 65 claim as new and desire to secure by Letters Patent—

1. The improved base support for carpet rolls, which is double-convex, that is to say, has a convex upper and under surface, and 70 provided with a socket in each side, as shown and described.

2. The improved base support for carpet rolls, comprising a central disk-like hub having a central socket in its under side to receive a pivot stud, and a series of radial bars 75 projecting from said hub, as shown and described.

3. A base support for carpet rolls, comprising a central disk-like hub, radial spaced bars 80 thereon, a binding band on the outer edges of said bars, and a central perforation in the hub, adapted to loosely receive an upright stationary journal stud, substantially as described. 85

4. The improved stand for carpet rolls, which consists of a horizontal platform, having short vertical studs fixed in its upper side, and circular base supports for carpet rolls, having a slightly convex face, and provided with sockets on the under side, to receive said studs, upon which they are adapted to revolve, as shown and described. 90

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Witnesses:

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