

M. McGAUGHY.
 ROLL SCREEN SUPPORT.
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1,360,424.

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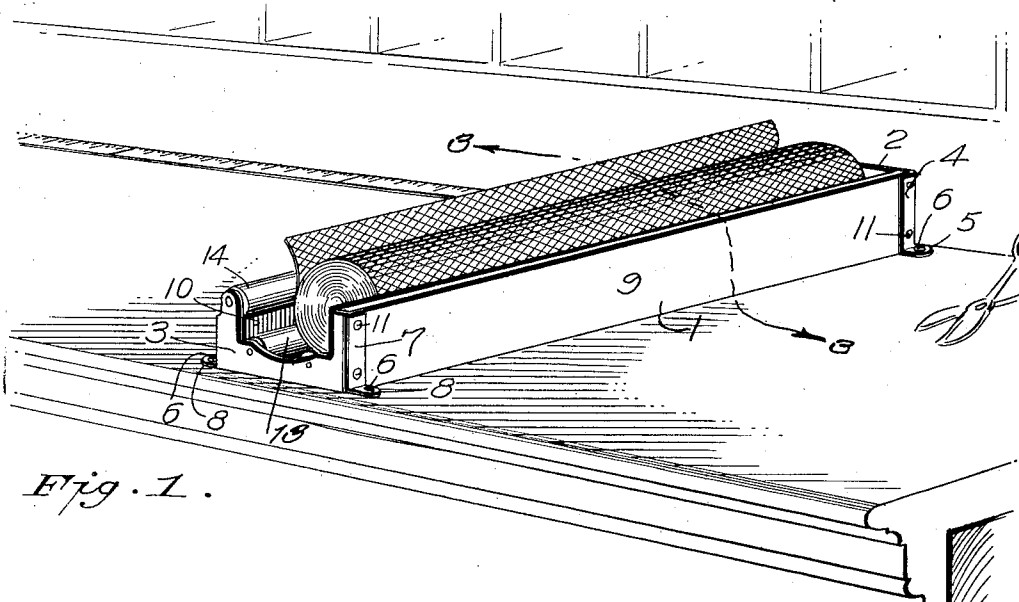


Fig. 1.

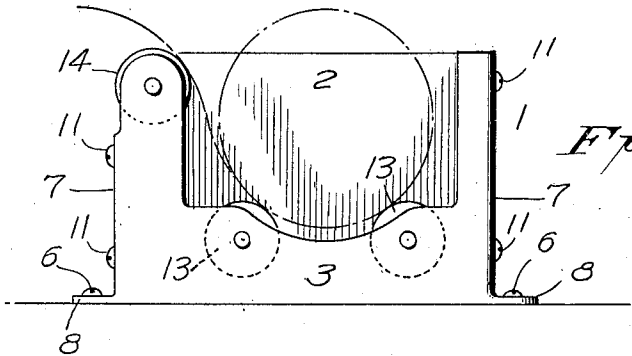


Fig. 2.

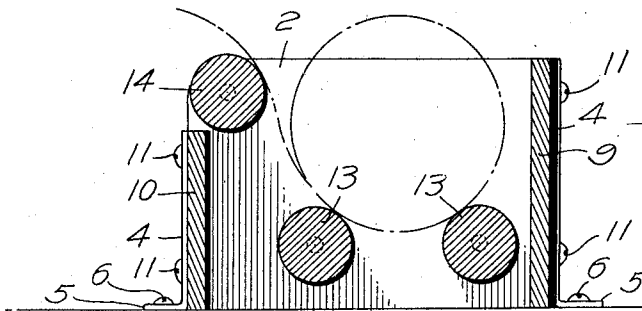


Fig. 3.

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ROLL-SCREEN SUPPORT.

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To all whom it may concern:

Be it known that I, MARSHALL McGAUGHY, a citizen of the United States, residing at Pine Bluff, in the county of Jefferson and State of Arkansas, have invented certain new and useful Improvements in Roll-Screen Supports, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to a roll screen support particularly adapted for supporting wire fabric in a roll while portions or cuts thereof are reeled and measured off and an object of the invention is to provide a simple, efficient and practical device of this kind which is capable of being cheaply made and sold at a reasonable profit.

Another and very important object is to provide a device of this character so constructed as to accommodate the narrowest and the widest screen roll whereby cuts or portions thereof may be easily reeled and measured off, it being the aim to provide a support of this character to be fastened upon the counter so that in connection with a suitable measuring scale (which may be carried by or marked upon the counter) the wire fabric may be measured as it is reeled off.

30 While there are machines more convenient for handling large quantities of wire fabric or cloth, they are more or less clumsy and complicated in construction for handling smaller quantities in view of the fact that seventy-five per cent. of the sales of such material run from one to six yards more or less; therefore, the invention aims to provide a very simple device whereby the smaller quantities of wire fabric may be reeled or measured off.

Still another object is to provide a support comprising a frame to be fastened upon the counter, one end being closed and the other end open, so that the maximum length of roll of wire fabric may be supported therein and yet capable of being reeled or measured off.

A further object is to provide a support for roll wire fabric including a plurality of rollers to revolvably support the roll wire fabric and in such manner that the end of the fabric may pass over one roll and be measured off, the other rolls acting to support the roll of fabric and thereby reduce the friction to a minimum.

While the design and construction at present illustrated and set forth is deemed preferable, it is obvious that as a result of a reduction of the invention to a more practical form for commercial purposes, the invention may be susceptible to changes, and the right to these changes is claimed, provided they are comprehended within the scope of what is claimed.

The invention comprises further features and combination of parts, as will be hereinafter set forth, shown in the drawings and claimed.

In the drawings:—

Figure 1 is a view in perspective of the improved roll wire fabric support constructed in accordance with the invention and showing the same applied to a counter looking at the same from the customer's side, so as to more clearly show the open end of the support, and furthermore to show clearly certain of the rollers on which the roll screen operates.

Fig. 2 is an end view showing the open end of the support; and

Fig. 3 is a cross sectional view on line 3—3 of Fig. 1.

Referring to the drawings, 1 designates the support as a whole which comprises the supporting end plates 2 and 3. The end plate 2 at its end is provided with right angle flanges 4 and the lower ends of these flanges terminate in lateral lugs 5 to receive fastening screws 6, whereby the support may be secured to a counter or other stationary support. The other end plate 3 is provided with right angled flanges 7 which have at their lower ends lateral lugs 8 which also receive fastening screws to additionally secure the support to the counter.

Side pieces 9 and 10 are provided and arranged in parallelism and have their ends secured by screws or the like 11 to the right angle flanges of the end plates thereby providing the supporting frame for the anti-frictional rollers 13 and 14. The rollers 13 are disposed adjacent the lower part of the supporting frame and have their pintles journaled in bearings of the end plates. These rollers 13 act to support the roll of fabric or screen while the other roll 14 is designed to be engaged by the fabric or screen as it is reeled and measured off.

The rollers 13 and 14 act to reduce the friction to a minimum. It will be noted that

the end plate 3 is cut away as shown so as to leave one end of the supporting frame open. It is to be understood that the supporting frame may be made any suitable width, height and length. Preferably the supporting frame is designed to be constructed in the proportion illustrated in the drawing, say for instance, in order to accommodate a medium length of roll, about thirty inches in length so that shorter or minimum lengths of rolls as well as a maximum or longer length of roll may be supported in the same frame on the rollers 13. In the case of supporting the maximum or longer length of roll wire fabric, the excess length of the roll protrudes through the cut away portion of the end supporting plate 3 and yet permit the wire fabric material to be reeled and measured off.

The lower marginal edge of the cut away portion of the plate 3 is arcuate in contour in order to correspond to the curvature of the roll wire fabric in cross section. Furthermore, the edge of this arcuate portion of the plate 3 is below the periphery of the lower rollers 13 so that the roll of wire fabric or screen will not touch this edge and thereby permit the roll to easily rotate as a pulling action is imparted to the fabric. In other words, the idea of lowering the marginal edge of the arcuate portion of the plate 3 will prevent the edge of the plate from retarding the action of the roll of fabric as it rotates.

The roll fabric support is designed to be fastened on the counter in close position to a measuring scale so that as the fabric is reeled off, it is easily and readily measured.

The end portion of the fabric may be rolled up as the fabric is unreeled and measured thereby making the process of selling small cuts of the fabric very easy and convenient and owing to the construction of

such a support and the manner of using the same, the sales of such material may be quickly transacted.

In the use of this improved support it is to be noted that it may be fastened to the counter in position relatively to the measuring scale so that the operator can stand adjacent the closed end of the supporting frame, whereby the wire fabric may be passed over the upper roller 14 and measured off on the scale which is carried by or marked upon the counter adjacent one side nearest the operator.

The invention having been set forth, what is claimed as new and useful is:—

As a new article of manufacture, an elongated frame of a length approximating the width of a store counter, and adapted to be secured on said counter, elongated supporting rolls approximating the length of and journaled in the bottom of the frame to support a roll wire fabric, an additional roll of a length corresponding to the length of the frame and mounted adjacent the top edge of one side of the frame, the upper elongated part of the frame being open to permit the fabric to pass over the additional roll, the inner end of the frame being closed, the outer end of the frame having an opening, to permit a maximum length of roll fabric to extend therethrough, so as to operate upon the supporting rolls, the lower edge of the opening having an arcuate contour of a radius greater than the curvature of the roll fabric, to keep the roll fabric out of contact with the edge, and to allow the roll fabric to easily rotate, thereby preventing retardation of the roll fabric in its revoluble movements.

In testimony whereof I hereunto affix my signature.

MARSHALL McGAUGHY.