Oct. 15, 1929. M. ZUSMER 1,731,963

TAPE HOLDING APPARATUS

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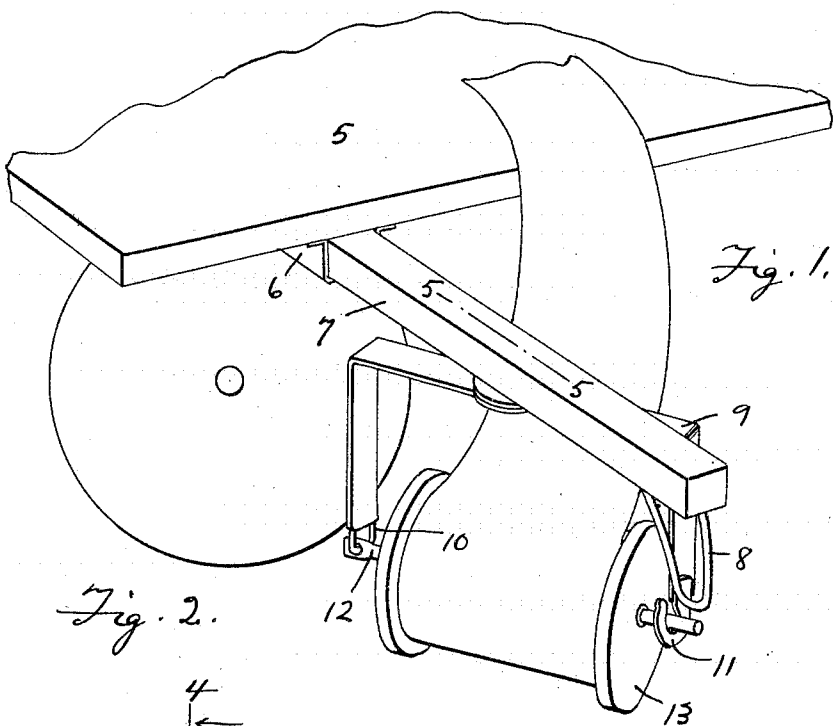
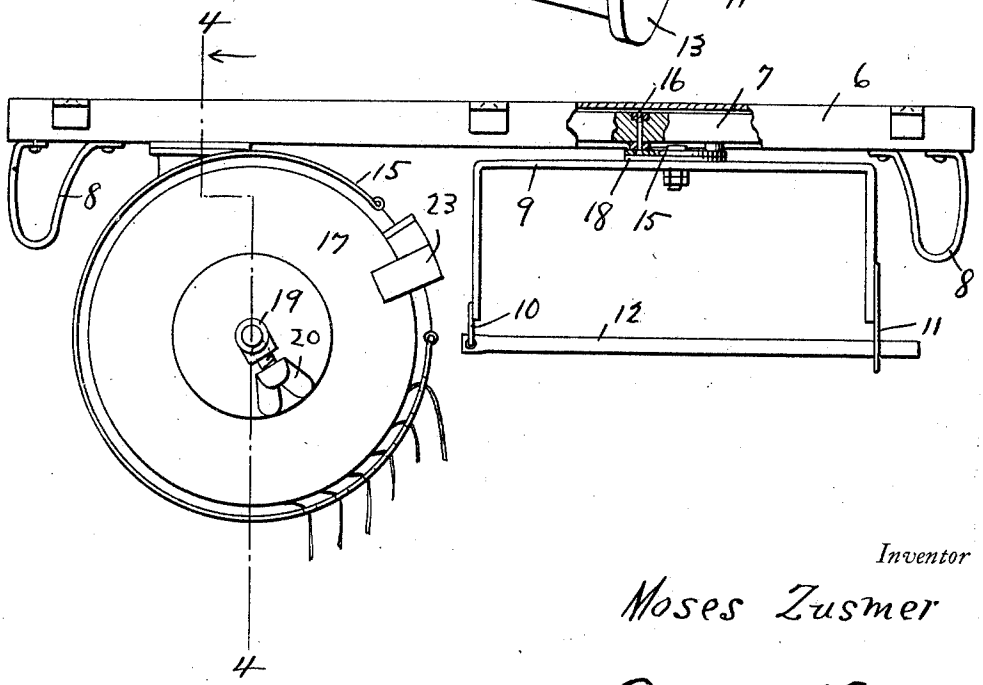


Fig. 1.

Fig. 2.



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Fig. 3.

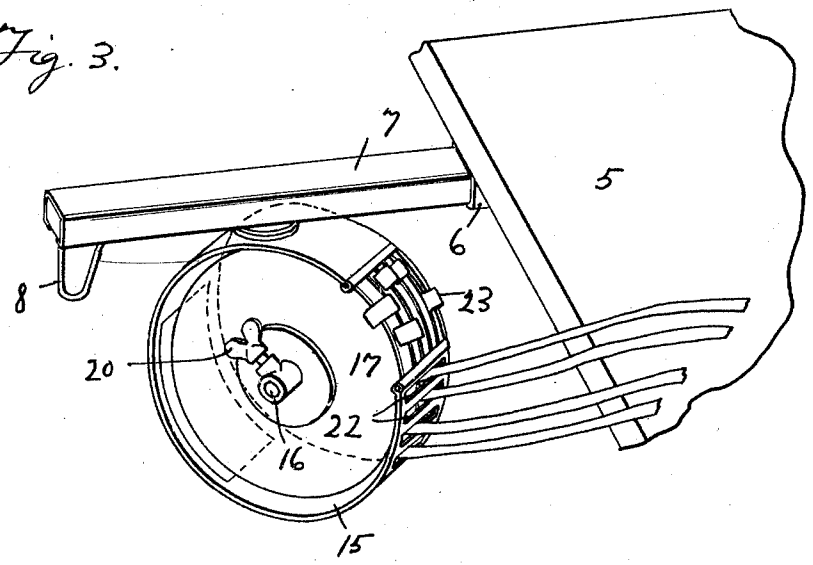


Fig. 4.

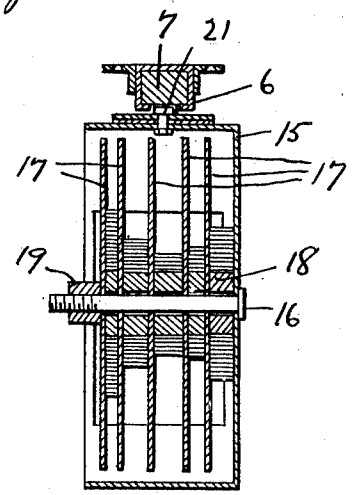
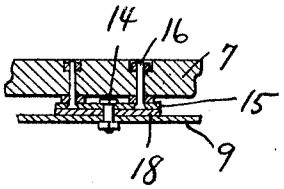


Fig. 5.



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UNITED STATES PATENT OFFICE

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TAPE-HOLDING APPARATUS

Application filed July 12, 1927. Serial No. 205,229.

The present invention relates to an apparatus for holding tape in a convenient manner under a table, platform, or the like, and has for its principal object to provide a structure which will hold a large number of different sizes of tape as is desirable in certain industries.

Another very important object lies in the provision of a supporting structure of this nature which is exceedingly simple in its construction, inexpensive to manufacture, easy to manipulate, compact, thoroughly efficient and reliable in use, and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawings:—

Figure 1 is a section view of the device showing the same as used,

Figure 2 is a side elevation thereof, a portion being shown in section,

Figure 3 is another perspective view thereof showing the other end from that particularly illustrated in Figure 1,

Figure 4 is a sectional view taken substantially on the line 4—4 of Figure 2, and,

Figure 5 is a detail sectional view taken substantially on the line 5—5 of Figure 1.

Referring to the drawings in detail it will be seen that the numeral 5 denotes the platform, table top, or some other suitable structure having slide brackets 6 depending therefrom. A bar 7 is slidably mounted between the slide brackets 6 and has handles 8 at the ends thereof so that the same may be conveniently slid in and out of the brackets 6 to expose either end as may be desired. A spool holder frame of an inverted U-shaped formation is shown at 9 and has one end terminating in a loop 10 and the other end terminating in a hook 11. A shaft 12 is swingably engaged on the loop 10 and the free end thereof may be engaged in the hook 11 as is shown in Figure 1. A relatively wide spool of tape 13 may be mounted on the shaft 12. The bight of the frame 9 has a bolt 14 extending therethrough which bolt extends through a disc 15 supported by bolts 16 on the bar 7. A washer 18 is disposed between the disc 15 and the bight of the frame 9. Thus the frame may be turned at different angles so as to conveniently take the tape off the spool 13. This frame structure is mounted adjacent one end of the bar. Adjacent the other end of the bar there is mounted another tape holding structure which comprises a cylindrical casing 15 one end of which is closed and the other end open. A shaft 16 is journaled through the closed end of the casing and a plurality of discs 17 are mounted thereon to receive therebetween spools of tape 18 of different widths and these discs are held in proper relationship by means of a sleeve 19 over the free end of the bolt held in place by a set screw 20 or in any other suitable manner. The casing is swivelly mounted as at 21 on the bar 7 so as to depend therefrom and so that the same may be disposed in different angles. The peripheral cylindrical portion of the casing is provided with a plurality of transverse slots 22 so that the ribbon or tape may be trained therethrough from the different spools 18. This wall has also relatively large openings and tabs 23 are provided on the discs 17 extending through the openings and may be used for indicating purposes and the like.

It will be readily appreciated by those skilled in this art that a device of this nature is very useful where the operator of a sewing machine or the like needs a large number of different widths of tape. It will be seen that the device is very convenient and may be easily and quickly placed in different desired positions. The structure is simple and easy to handle, compact and otherwise well adapted to its purpose.

The present embodiment of the invention has been shown and described in detail merely by way of example since in actual practice it attains all of the features of advantage enumerated as desirable in the statement of the invention and the above description. It will be apparent that changes in the details of

construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:—

1. A supporting structure of the class described, comprising a bar, a support adapted to receive a spool, means for swivelly depending the support from the bar, and means for slidably supporting the bar.

2. A supporting structure of the class described, comprising a bar, a support adapted to receive a spool, means for swivelly depending the support from the bar, and means for slidably supporting the bar, a handle at each end of the bar for convenient manipulation thereof.

3. A supporting device of the class described comprising a bar, means for slidably mounting the bar, at the under side of a table adjacent one edge thereof, an inverted U-shaped frame, means for swivelly mounting the bight of the frame to the bar so that the same depends therefrom, one end of the frame having a loop extension and the other end of the frame having a hook extension, a shaft engaged on the loop extension at one end so that the other end thereof may be engaged in the hook.

In testimony whereof I affix my signature.

MOSES ZUSMER.