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NEEDLE AND THREAD END HOLDER AND CUTTER

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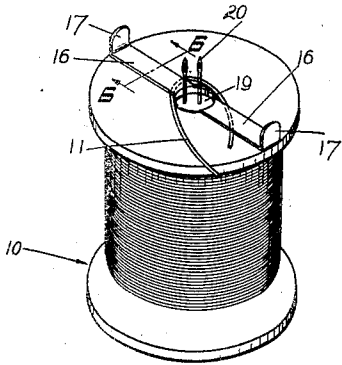


Fig. 1

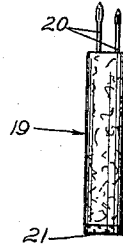


Fig. 3

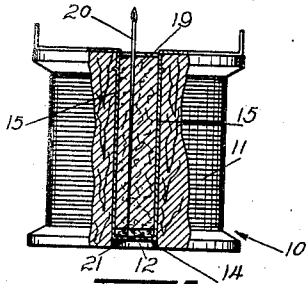


Fig. 2

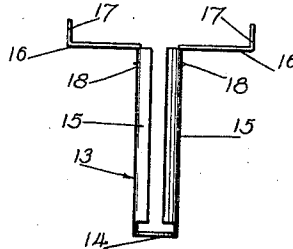


Fig. 4

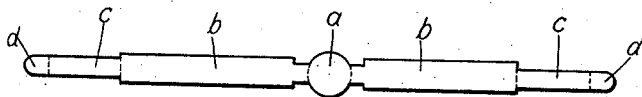
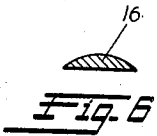
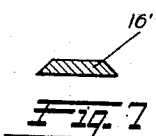


Fig. 5



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NEEDLE AND THREAD END HOLDER AND CUTTER

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2 Claims. (Cl. 223—109)

This invention relates to a needle and thread end holder and cutter.

It aims to provide a novel exceedingly simple, inexpensive, and compact construction which may be applied to or removed from ordinary sewing thread spools.

It is especially aimed to produce such a structure in which the holder may be made or stamped from a single piece of metal.

The more specific objects and advantages will in part be pointed out hereinafter and otherwise become apparent from a consideration of the description following taken in connection with the accompanying drawing illustrating an operative embodiment.

In said drawing:

Figure 1 is a perspective view showing the invention in use on a spool of thread;

Figure 2 is a view in side elevation through the parts of Figure 1; being partly in longitudinal section to disclose details;

Figure 3 is an elevation of the cushion detached;

Figure 4 is a side elevation of the holder detached;

Figure 5 is a plan view of a cut blank preparatory to being folded into holder form;

Figure 6 is an enlarged sectional view taken on the line 6—6 of Figure 1, and

Figure 7 is a view similar to Figure 6, of a modification thereof.

Referring specifically to the drawing wherein like reference characters designate like or similar parts, 10 designates a conventional wooden or other spool about which sewing thread or any equivalent 11 is wound, such spool with thread thereon, constituting a conventional commodity. Such spool has the usual central cylindrical bore at 12.

In carrying out our invention, a holder 13 is detachably connected to the spool and it is preferably made of metal and folded from a blank cut in the shape shown in Figure 5. Such holder for instance has a cylindrical base 14, arcuate side walls 15, lateral arms 16 and upset lugs 17 at the terminals thereof, which parts, respectively, are folded from the portions A, B, C, and D of the blank of Figure 5.

The arms 16 are provided with sharpened longitudinal edges, as seen in Figure 6. The shape of the arms, in cross section, may vary, and may take the form, as seen in Figure 7, and designated 16'.

The wall portions 15, tend to expand or separate from each other at their upper ends so as to effectively and intimately fit the bore wall 12, preferably having teeth or spurs as at 18 to penetrate such wall. Lugs 17 are adapted to be en-

gaged, between the fingers, for contracting walls 15 to apply or remove the holder 13.

The walls 14 and 15 removably retain a cushion 19 of felt, for one or more needles as at 20. At the base of the felt, a disk 21 of a material somewhat more dense than felt is provided to prevent contact of the needle points with the metallic base 14, such disk 21 being for instance of cork or cardboard.

According to the invention, the free end of the thread 11 is adapted to pass under one or both arms 16 so as to be held under slight pressure against accidental unwinding although free to be pulled to any length desired, and then cut by movement against either longitudinal edge of either arm 16 or 16'.

It will be realized, that the holder 13 may be readily applied or removed as desired, especially so that the same may be transferred to new spools from time to time.

Attention is called to the fact, that spools having different sizes, colors or grades of thread thereon, may each be equipped with the invention and each have or retain the desired size of needle in the cushion associated therewith so as to always be at hand with the proper thread.

Various changes may be resorted to provided they fall within the spirit and scope of the invention.

We claim as our invention:

1. An article of the class described of a single strip of metal having a base, walls rising therefrom to constitute a holder for a cushion, said walls being urged away from each other adjacent their top, a spool-penetrating spur integral with and extending from one of the walls, arms extending laterally from said walls at the top thereof, said arms having marginal longitudinal cutting edges, said walls being arcuate in cross section and cut-away adjacent said base, and finger-holds on the outer ends of said arms to guard the fingers from contacting such edges, said finger-holds extending from the arms in the opposite direction to the walls to enable engagement for movement toward each other

2. An article of the class described having a base, walls rising therefrom to constitute a holder for a cushion, said walls being urged away from each other adjacent their top, arms having marginal longitudinal sharpened edges, said arms extending laterally from the tops of said walls, and a lug on each of said arms located outwardly beyond its sharpened edge to guard a finger from contacting such edge, said lugs extending from the arms in the opposite direction to the walls to enable engagement for movement toward each other.

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