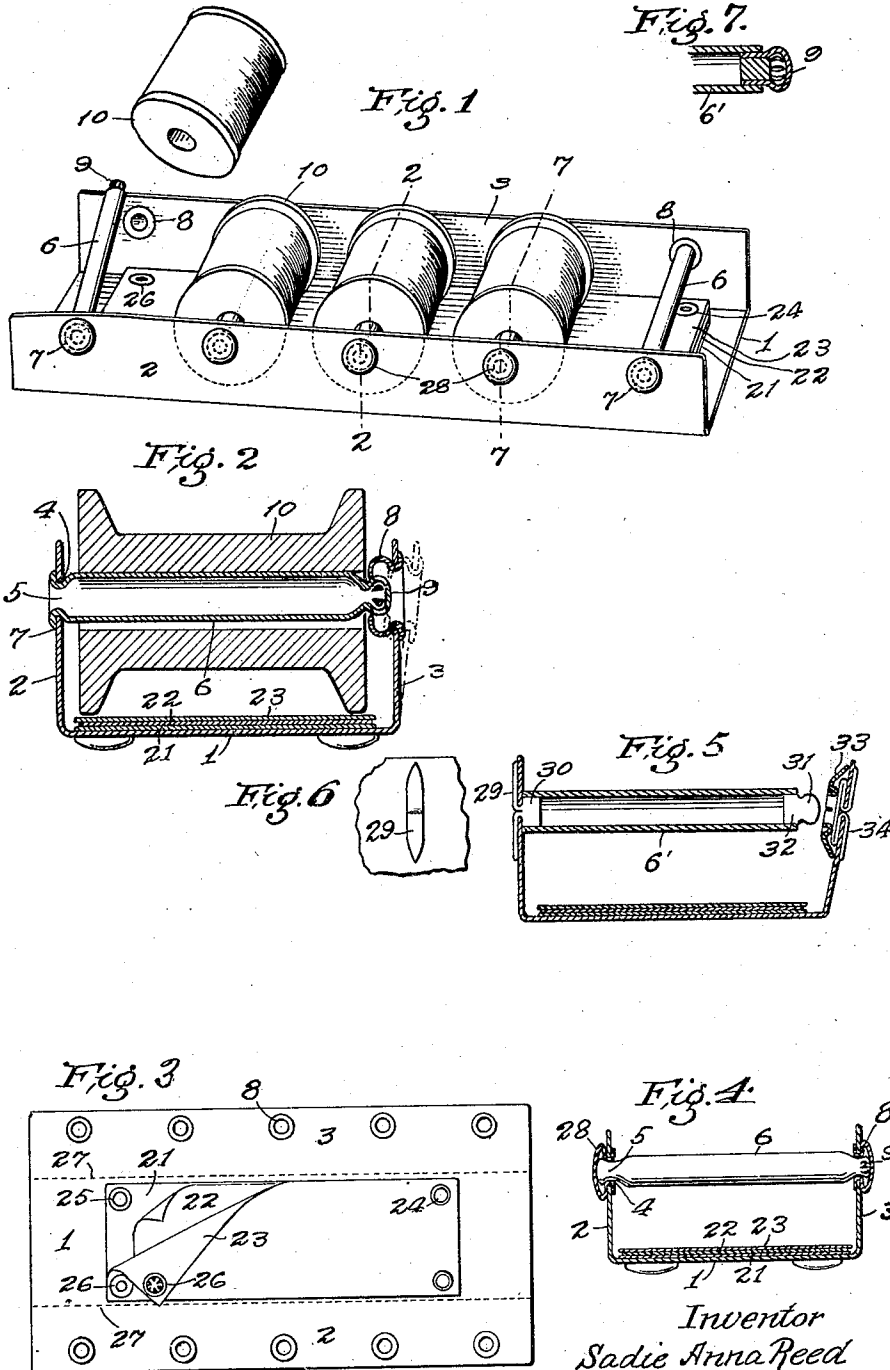


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SPOOL AND NEEDLE CASE.
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Patented June 27, 1922.



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SPOOL AND NEEDLE CASE.

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To all whom it may concern:

Be it known that I, SADIE ANNA REED, a citizen of the United States, residing at Long Beach, in the county of Los Angeles and State of California, have invented a new and useful Spool and Needle Case, of which the following is a specification.

This invention relates to devices for the convenience of housewives and seamstresses by means of which they may keep their spools of thread in orderly arrangement with the thread always ready at hand for use and without accidental unwinding of the thread and without likelihood of tangling the thread ends.

Another object is to provide a construction which may be made cheaply and readily by the use of stock appliances that are adapted to afford elegance of appearance and convenience of inserting and removing the spools of thread.

The case comprises a body having flexible walls at its opposite edges, and provided with pintles extending thereacross and flexibly connected at one end to the body through one of the side walls and being formed into a knob at the other end in combination with the spring socket of a glove fastener fixed to the other side wall; the side walls being spaced a spool length apart and adapted to accommodate a spool between them on each pindle when such pindle is connected at both ends to the body; the pintles being spaced apart to accommodate the spool.

The invention is adapted to be carried out in spool cases made of different materials including flexible sheet material such as buckram, leather and the like, and also including sheet metal and the like.

An object of this invention is to provide a spool case of neat appearance that will be more convenient for the placing, withdrawing and replacing of spools of thread. Cheapness, neatness, attractive appearance, ease of attaching and releasing the spools are further objects and advantages of the invention.

Other objects and advantages may appear from the accompanying drawing, the subjoined detail description and the appended claims.

An object is to provide a convenient and attractive combination holder for thread and needles.

The accompanying drawing illustrates the

invention in some of the forms in which it may be embodied.

Figure 1 is a perspective view of a spool case constructed of metal, buckram, leather or the like, in accordance with this invention and having a number of spools mounted therein with two kinds of mountings and showing another spool as it may appear during the operation of insertion and removal and also showing a pindle without any spool thereon. The needle book is also shown.

Fig. 2 is an enlarged transverse section which is assumed to be on line 2—2 through one of the pintles, and through the body and the side walls of the case. Dotted lines indicate the deflection of the side wall and its fastening member from the pindle in order to allow said pindle to be deflected.

Fig. 3 is a plan of a case flattened out.

Fig. 4 is a sectional elevation which may be assumed to be on line 7—7, Fig. 1.

Fig. 5 is a cross section showing the invention in another form. The pindle is unfastened preparatory to receiving a spool.

Fig. 6 is a fragmental outside elevation of either side of a specimen of the invention constructed with the fastener shown in Fig. 5.

Fig. 7 is a fragmental mid-sectional detail illustrating another way of applying a snap element to a pindle.

The frame of the case may be formed of leather, buckram, sheet metal or other suitable sheet material and comprises a floor or main body 1 and pindle supports 2, 3, at the edges of said floor. The main body and pindle supports may all be made of one piece, and said pindle supports are normally spaced a little more than a spool length apart so as to freely accommodate spools inserted between them.

The width of the floor or main body 1 will be determined by the length of the spool to be accommodated, and the pindle supports at one edge of said main body are adapted, as by means of orifices 4, to receive reduced portions or necks 5 of pintles 6 upon which the spools are to be mounted.

The necks are permanently fastened to one of the pindle supports by suitable means which may be made of different forms as shown in the views at the will of the constructor. Various kinds of such means are shown in the drawings. In Fig. 2 the outer end of the pindle is riveted over at 7 so as to prevent withdrawal of the neck 5 from

the orifices 4. The pintle is thus supported by a flexible mounting that allows the pintle to be deflected as shown at the extreme left in Fig. 1. The flexible character of this mounting may be provided for by the looseness of the joint between the neck 5 and the orifices 4, and also by flexibility of the support 2, so that the pintles may be freely deflected in any desired direction.

At the opposite edge of the body 1 the flexible support 3 is provided with a glove fastener snap member socket 8, and the detachable ends of the pintles 6 are provided with glove fastener snap knob members 9. Such snap member knob 9 is shown as an insertible detent adapted to engage the snap member socket 8, one being a male and the other a female member.

In practice the spool 10 is applied to the pintle 6 which for this purpose is deflected to the most convenient position, and the free end of the pintle is allowed to project from the spool and is snapped into connection with the snap member 8. To remove the spool the pintle will be unsnapped and the spool withdrawn.

In manufacturing the form shown in Figs. 1 and 2 the sheet from which the floor or main body 1 and the pintle supports 2, 3, are to be made may be stamped, cut and punched and provided with the attaching devices while the sheet is flat, as shown in Fig. 3, and the sheet may also be then provided with leaves 21 of felt, linen, or other suitable material, adapted to receive needles, pins, or the like. These needle book leaves 21, 22, 23 may all be fastened to the body 1 by suitable fasteners as the eyelets 24; the sheet 21 being also secured by fasteners 25 at the other end which fasteners 25 may be adapted to engage snaps 26 on the top leaf 23 so as to detachably hold the needle book leaves in place; the leaf 22 being shorter than the leaves 21 and 23, and adapted to be accommodated between the other leaves when such other leaves are connected by the snaps.

In Fig. 3 the broken lines 27 indicate the line upon which the main sheet is bent to form the three angularly related members 1, 2 and 3.

It is thus seen that by this simple application of the principle of a glove fastener in the novel way set forth, that is to say, by combining an end thrust snap fastener with the body of a spool holding spindle at one end thereof, and connecting the other end of said body with a member of such snap fastener that is detachable from said body, by means of a connecting member that will accommodate the spool and that will allow the spindle to be deflected to admit and to release the spool, it becomes possible to provide the housewife and the sempstress with an attractive, convenient and secure means

for keeping spools and thread in order in work-baskets and elsewhere.

In Fig. 4 the button 28 is in place to give uniformity of external appearance to both sides of the case. The snap 8' conforms thereto in external appearance and engages the end of the pintle, the same as with the snap 8 in Fig. 2.

In Fig. 5 the mounting means comprises retainers 29 secured to the pintle 6' by a stub 30 that may be soldered into the tube or hollow pintle. The spring knob 31 is secured by a stub 32 soldered in the other end of the tube. Said knob 31 is adapted to snap into the spring snap member 33 that is provided with retainers 34.

In practical use when one wishes to select a needle he can quickly release one of the side walls, take off one or more of the spools and remove the needle. The spool case is made open at one side so that the thread ends are readily accessible.

The spools may be revolved freely on the spools in place on the pintles and the thread ends can thus be brought into the case, thus avoiding likelihood of tangling the thread.

The snaps may be made of more or less stubborn constructions so as to retain the pintles against greater or less pressure as may be deemed requisite for different uses.

The form shown in Figs. 5 and 6 is adapted to be made easily from manufactured materials usually obtainable in the market and is calculated for emergency manufacture for soldiers' kits without the construction of special machinery or tools for carrying on the manufacture.

I claim:—

1. The combination with a spindle, of an end thrust snap-member adapted to engage with one end of said spindle, and a member adapted to accommodate a spool on said spindle; said spool accommodating member connecting the other end of said spindle with said snap member the socket member of said end thrust snap member being open on the inner side of said spool accommodating member; said spindle being freely deflectable in any direction with relation to said snap member for the purpose set forth.

2. A spool holder provided with a spindle adapted to receive a spool, and also with a fastener snap member; one end of the spindle being adapted to be brought into and out of engagement with said snap member by an endwise thrust; and a member adapted to accommodate a spool on said spindle and connecting the other end of the spindle with said snap member the socket member of said fastener snap member being open on the inner side of said spool accommodating member, said spindle being freely deflectable in any direction relative to the snap member for the purpose of allowing the spool to be applied to and removed from the spindle.

3. The combination with a spool-holding spindle having one end formed as a knob to engage a glove fastener snap member, of a glove fastener snap member adapted to engage said knob, and a member adapted to accommodate a spool and connecting said glove fastener snap member to the other end of the spindle the socket member of said snap member being open on the inner side of said spool accommodating member; said spindle being freely deflectable in any direction relative to the glove fastener snap member to allow the spool to be put on and taken off of the spindle.

4. A spool case comprising a frame member and pintle supports at opposite edges thereof; one or more pintles connected to one of said supports and movable relative to the frame member for the purpose of allowing spools to be inserted and withdrawn from said pintles; and one or more end thrust glove snap members on the other pintle support; each pintle being provided with an end thrust glove snap member to engage the socket member of the snap member which is located on the inner side of said other pintle support; the glove snap member on each pintle being adapted to project beyond the end of the spool, and each of the glove snap members on the support, being

adapted to engage with the projecting portions of the end thrust glove snap members respectively.

5. A housewife's or sempstress's spool holder comprising a sheet bent into the form of a channel open at both ends and having a bottom and two side walls which are capable of being relatively flexed; snap sockets fixed to one of said walls and having heads outside of said wall, and having their orifices on the inner side of said wall; and pintles non-removably fixed to the other side wall so as to allow a free deflective movement of the pintles in any direction relative to said side walls, said pintles extending across the channel and being provided with heads to snap into said sockets; and said sockets and pintles being arranged to accommodate spools on the pintles when the heads are in the sockets, and to allow removal and replacement of the spools when the sockets are withdrawn, respectively, from their respective heads.

In testimony whereof, I have hereunto set my hand at Los Angeles, California, this 16th day of October, 1917.

SADIE ANNA REED.

Witness:

JOHN E. DALY.