Aug. 6, 1940. R. V. LANGBART 2,210,173

COUNTING OR REGISTERING DEVICE FOR USE IN KNITTING

Filed Aug. 4, 1939

FIG. 1.

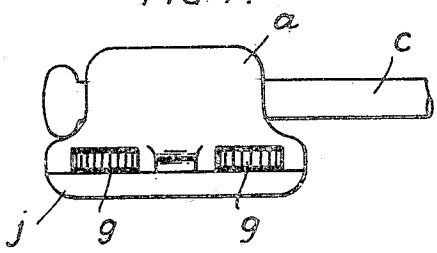


FIG. 2.

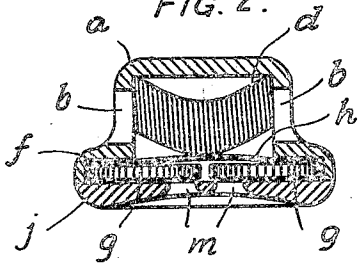


FIG. 3.

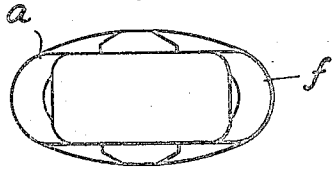


FIG. 5.

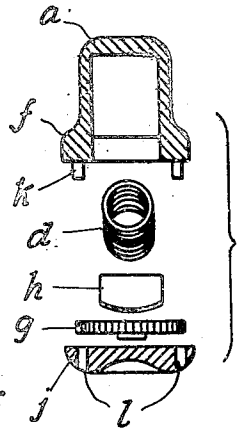
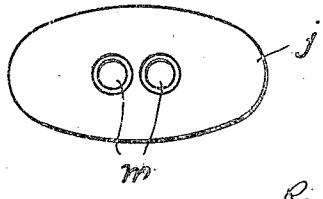


FIG. 4.



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UNITED STATES PATENT OFFICE

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COUNTING OR REGISTERING DEVICE FOR USE IN KNITTING

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Application August 4, 1939, Serial No. 288,421
In Great Britain November 15, 1938

2 Claims. (Cl. 66—1)

This invention relates to a counting or registering device for use in knitting, which can be threaded on a knitting needle and can be set to show the number of stitches or rows of stitches which have to be completed when knitting an article, or the number of stitches or rows which have already been knitted and thus to relieve the knitter of the necessity of memorizing such quantities.

A known device of this kind comprises a hollow drum mounted within a hollow casing and bearing numerals marked on its peripheral surface, an aperture or apertures in the casing arranged to expose one or more of the numerals and a resilient member for gripping a knitting needle disposed within the device.

It is an object of the present invention to provide an improved device which is adapted to be more easily and more economically manufactured than the known devices.

The device according to the invention comprises a hollow casing, apertured at each end whereby it is adapted to receive a knitting needle, a resilient device within the casing adapted to grip a knitting needle, and one or more discs or drums rotatably carried in the casing and spaced from the casing space provided for the reception of the needle, the said discs or drums being arranged to be rotated from outside the casing.

The casing may be apertured to afford access to the periphery of each disc or drum so that rotation of the disc or drum may be effected by a thumb or finger.

An especially advantageous and simple resilient device is a helical spring which is distorted by bowing the spring out of its cylindrical form so that its axis is curved.

In an embodiment of the invention which is easy to manufacture, the casing comprises a space containing the resilient device and a space for locating one or more flat discs bearing numerals on one face and having milled edges. Apertures are left in the casing so that the disc or discs can be manipulated. The casing may be made of any suitable material, for example an acetate or a plastic material, and is adapted, after the resilient device and the disc or discs have been assembled, to receive a flat cover which is apertured to expose one or more numerals on the disc or discs. The flat cover may be provided with a small projection or boss which is adapted to enter a corresponding hole in the casing so as to locate the cover. The cover, which may be of Celluloid or like material, may be formed with inclined sides adapted to slide on and grip corresponding surfaces on the case and may be otherwise secured to the casing in any desired manner.

A flat leaf spring may be placed behind the discs so as to press the discs lightly against the cover.

One form of construction of the invention is illustrated in the annexed drawing, in which:

Fig. 1 is a front elevation of the device with a knitting needle in position.

Fig. 2 is a sectional elevation of the device alone.

Fig. 3 is a plan.

Fig. 4 is an underside plan showing the cover plate, and

Fig. 5 shows the various parts separately.

In the drawing, *a* represents the casing of the device, and has apertures *b* at its ends for the passage of the knitting needle *c* which is held in place by a bent helical spring *d* housed in the casing and which will resiliently conform to and engage the needle passed through the helical spring and casing. The ends of the casing are formed with lugs *f* on each of which rests a flat milled disc *g*, which is inscribed with numerals on one face, and a portion of which protrudes beyond the casing to facilitate manipulation of the disc. The discs are held in place by a flat spring *h*. A cover plate *j* is adapted to be attached to the lower face of the casing *a*, pins *k* on the casing engaging holes *l* in the cover plate. The parts *a* and *j* are secured together by cementing or otherwise. Sight openings *m* in the cover plate serve to expose the required numerals.

Having thus described the nature of the said invention and the best means I know of carrying the same into practical effect, I claim:

1. A counting or registering device for use in knitting and comprising a hollow casing through which a knitting needle is adapted to be passed, and which also contains one or more rotatably arranged discs inscribed with numerals, one or more sight openings for viewing the numerals being provided in the device.

2. A counting or registering device according to claim 1, in which a part of the needle is gripped by a spring or the like housed within the casing.

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