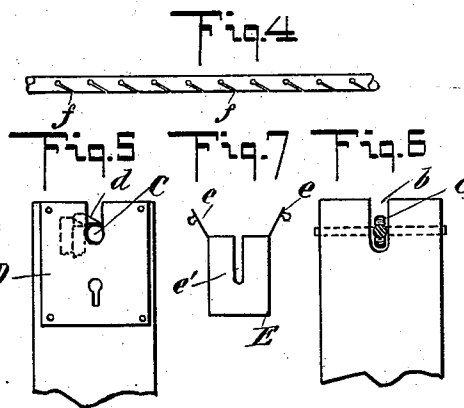
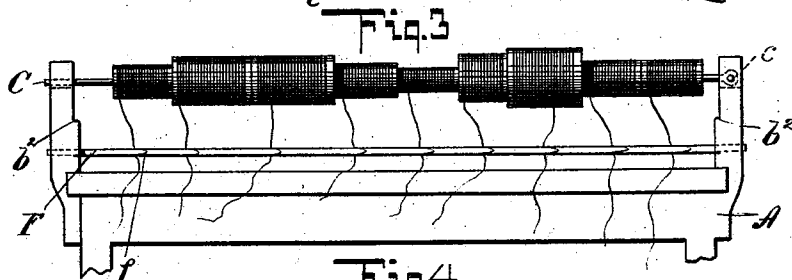
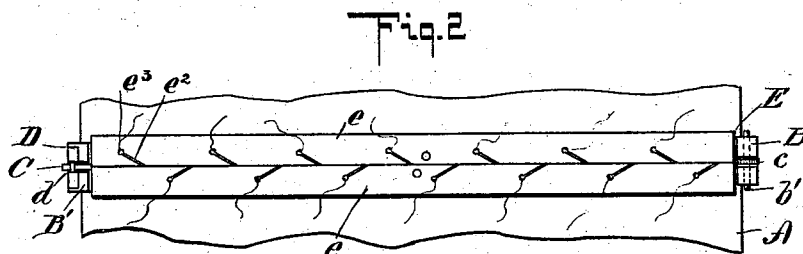
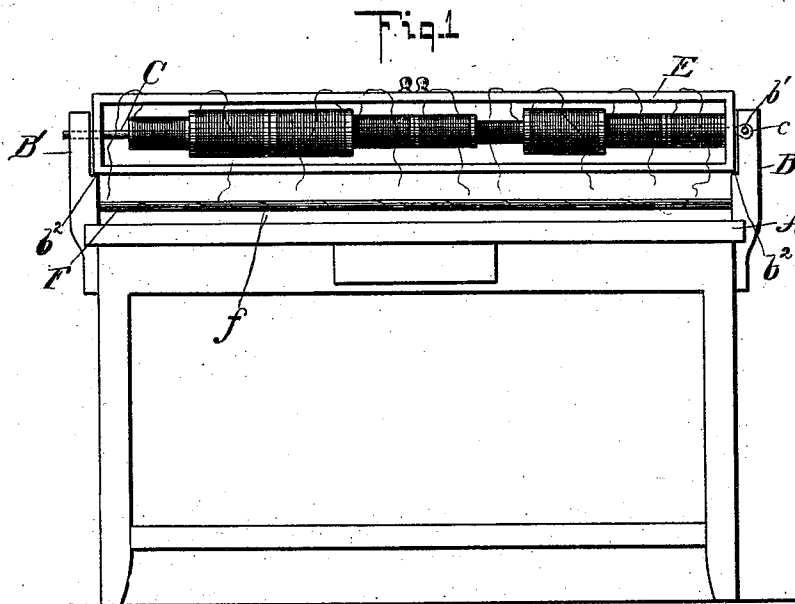


(No Model.)

H. STOLL & A. KASSE.
THREAD PROTECTOR.

No. 550,029.

Patented Nov. 19, 1895.



WITNESSES:

Edmund A. House
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UNITED STATES PATENT OFFICE.

HARRY STOLL AND ABRAM KASSE, OF NEW YORK, N. Y.

THREAD-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 550,029, dated November 19, 1895.

Application filed September 18, 1895. Serial No. 562,870. (No model.)

To all whom it may concern:

Be it known that we, HARRY STOLL and ABRAM KASSE, residents of the city, county, and State of New York, have invented certain new and useful Improvements in Thread-Pro-
5 tectors, of which the following is a specification.

Our invention relates to thread-protectors, and has for its object to produce a device
10 which will carry a thread in such a manner that the thread may be reeled from the spool, but will serve to prevent the spool from being carried away bodily.

A necessity for this invention exists, due
15 to the fact that tailors and others are addicted to the practice of carrying away the spools of expensive thread belonging to their employers and selling the same. So in order to provide a means for preventing these pernicious
20 practices, and at the same time to provide a device which will enable the thread to be readily reeled from the spool, we have devised the construction which forms the subject of our present invention.

Our invention consists in the construction
25 hereinafter set forth and claimed.

We will describe our invention by referring to the accompanying drawings, forming part
30 hereof, which show a form of our invention.

In the drawings, Figure 1 is a side elevation of a construction embodying our invention. Fig. 2 is a broken-away plan thereof, the wings of the table being shown in broken-away detail. Fig. 3 is a side elevation of the
35 device, the legs of the table being broken away and the dust-guard or spool-box removed. Fig. 4 is a detail of the thread-holder bar. Fig. 5 is a detail of the locking mechanism. Fig. 6 is a detail of the spool-carrying-bar pivot, and Fig. 7 is an end view of
40 the dust-guard or spool-box.

In the drawings, A is a tailor's table, from which rise standards B B', which have vertical slots b. Extending from the standard B
45 to the standard B' and resting in the slots of the standards is a spool-carrying bar C. This spool-carrying bar has an eye c at one end thereof, which eye embraces a pivot b', which crosses the slot b in the standard B. This
50 eye and pivot constitute the means for pivot-

ing the spool-carrying bar, which spool-carrying bar moves freely upon its pivot in a vertical plane. Carried by the standard B' is a lock D, whose bolt d extends across the slot b in the standard and serves to confine
55 the free end of the spool-carrying bar in the standard. Surrounding the spool-carrying bar is a dust-guard or spool-box E, resting upon shoulders b² of the standards and provided with hinged flap-covers e, and provided with
60 slots e' in the ends for the free passage of the spool-carrying bar C. At intervals along the edges of the flaps e of the cover are slots e², which terminate in eyes e³ for the passage of the thread. F is the thread-holding bar, which
65 extends from standard to standard below the spool-carrying bar. This thread-holding bar is provided with thread-holding slots f.

The operation of our device will be apparent from the foregoing description. We will,
70 however, here state the operation: The spools are strung upon the spool-carrying bar, which is tilted slightly for the purpose, the bolt of the lock being removed by operating the lock, and the free end of the spool-carrying bar
75 being tilted out of the slot in the standard B'. When a sufficient number of spools have been strung upon the spool-carrying bar, the bar is dropped back in place and the lock operated to throw the bolt across the slot above the
80 bar C. The ends of the thread are carried outside of the spool-box E and a thread threaded into each of the eyes e³ by passing the thread through the slot e². These threads
85 hang outside of the box and the ends may be readily grasped to draw thread out of the box, the eyes serving in the present instance as thread-holders. The threads may, however, be brought down and entered into the thread-
90 holding slots of the thread-holding bar F. Besides serving the function of holding the threads, the thread spool-box serves also to guard the thread from dust, one or more of the sides being transparent in order that the thread in the interior may be seen, so that
95 the tailor can pick out the thread of the desired color and size.

What we claim, and desire to secure by Letters Patent, is—

The combination of supports B B', a spool- 100

carrying bar C pivoted to the support B by
one end and entering a slot in the support B',
a locking device for locking the end of the
spool-carrying bar in the support B', a slotted
5 closed box E supported by the supports B and
B', and surrounding the spool-carrying bar,
the said box being provided with a cover which
is apertured to permit the threads to pass out

of the box, all substantially as described and
for the purposes set forth.

HARRY STOLL.
ABRAM KASSE.

Witnesses:

BERNARD A. SCHMIDT,
MAURICE BLOCK.