C. H. DYGERT.

SLEEVE HOLDER.

APPLICATION FILED AUG. 28, 1912.

1,144,113.

Patented June 22, 1915.

Fig. 1

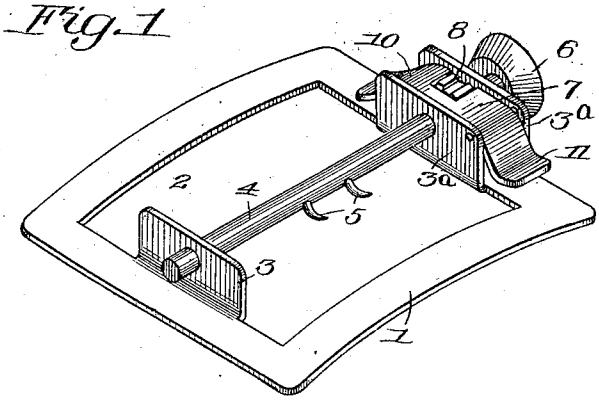


Fig. 2

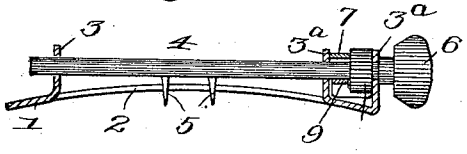


Fig. 3

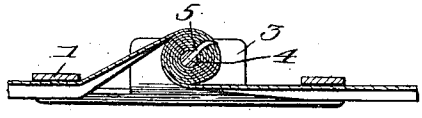


Fig. 4

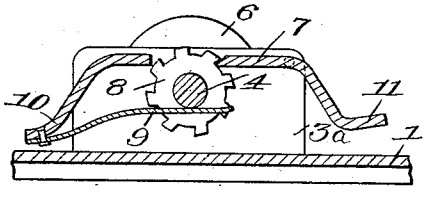
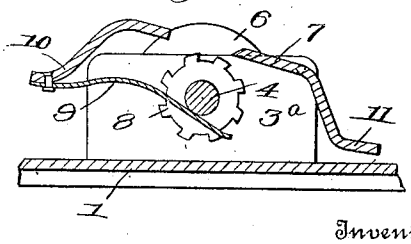


Fig. 5



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Witnesses

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THE MORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

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SLEEVE-HOLDER.

1,144,113. Specification of Letters Patent. Patented June 22, 1915.

Application filed August 28, 1912. Serial No. 717,527.

To all whom it may concern:

Be it known that I, CHARLES H. DYGERT, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Sleeve-Holders; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

My invention relates to improvements in sleeve holders, and it has for its object to provide a device that may readily be applied to a sleeve for taking up the length in the latter, and which is of simple construction.

A further object of my invention resides in so constructing and arranging the parts of the device that the material of the sleeve will not be torn or damaged by its application.

Still another purpose of my improvement is to enable a sleeve to be shortened any desired amount, and also to permit the holder to be readily removed when desired.

To these and other ends the invention consists in certain improvements and combinations of parts all as will be hereinafter more fully described, the novel features being pointed out in the claims at the end of the specification.

In the drawings: Figure 1 is a perspective view of a sleeve holder constructed in accordance with a preferred embodiment of my invention. Fig. 2 is a vertical sectional view taken longitudinally at its central part; Fig. 3 is a transverse sectional view taken centrally, and showing the device applied to a sleeve; Fig. 4 is an enlarged sectional view showing the parts locked, and Fig. 5 is a similar view with the locking means released.

Similar reference numerals throughout the several figures indicate the same parts.

The present embodiment comprises a base or frame 1, of rectangular form, and having a central rectangular opening 2 and upstanding ears 3, 3ª in which the shaft 4 is rotatably mounted.

The shaft 4 carries prongs or teeth 5 adapted to engage the material of the sleeve as shown in Fig. 3. The shaft is turned by means of the head 6. In order to lock the shaft in its adjusted position and also to release it when desired, I provide an improved locking device which will now be described. To this end, the frame 1 carries the pair of ears 3ª at one end, between which there is pivotally supported a detent designated at 7 which is arranged to engage the teeth of a pinion 8, the latter being keyed to the shaft 4 and positioned between the last mentioned ears 3ª. In order to hold the detent 7 normally in engagement with the pinion, a spring 9 is provided, which is suitably attached to the under side of the front end 10 of the detent and has a free end bearing on the underside of the shaft 4 at a point adjacent to the pinion 8. The detent 7 also carries a rear extension or finger piece 11 which may be engaged to raise the detent against the action of the spring 9 when it is desired to release the shaft 4, to permit the device to be removed from the sleeve.

By arranging the detent between the ears 3ª and so as to engage the upper surface of the pinion 8, I am able to do away with all projecting parts that might come in contact with the material and prevent the proper operation of the holder. Furthermore, with this construction there is very little chance for the device to catch or tear the material when it is being applied or removed.

I claim as my invention:

1. A holder comprising a frame, a shaft rotatably mounted on the frame and carrying means for engaging the fabric, a pinion fixed on said shaft, and a detent pivotally mounted beyond the shaft, said detent co-operating with and overlying the outer surface of the pinion whereby to shield the latter.

2. A holder comprising a frame having a pair of ears at one end thereof, a shaft rotatably arranged on the frame and mounted in said ears, means carried by the shaft for engaging the fabric, a pinion fixed on said shaft and arranged between the ears, and a detent pivotally mounted at the outer edge of the aforementioned ears, said detent co-operating with and overlying the outer surface of the pinion and adapted to shield the latter.

3. A holder comprising a frame, a pair of ears at one end of the frame, a shaft rotatably mounted on the frame and journaled in said ears, means carried by the shaft for

engaging the fabric, a pinion fixed on the shaft between said ears, a detent pivotally mounted between the ears beyond said shaft and engaging the outer surface of the pinion, whereby to shield the latter, and a spring disposed between the ears and connected to the forward portion of the detent, said spring having a free end in engagement with the under surface of the shaft.

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."