Aug. 13, 1940. J. MUSERLIAN 2,211,577

RULER ATTACHMENT FOR SCISSORS

Filed Feb. 26, 1940

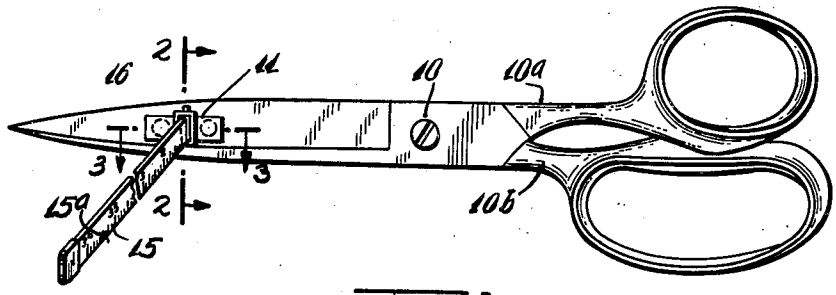


Fig. 1.

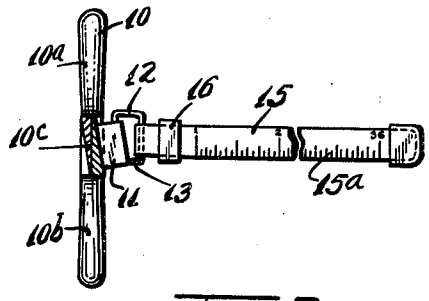


Fig. 2.

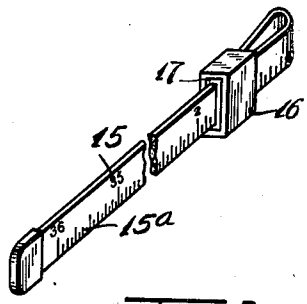


Fig. 5.

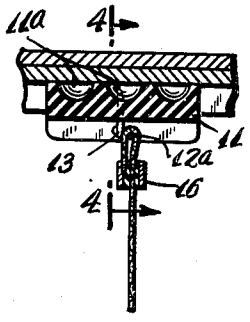


Fig. 3.

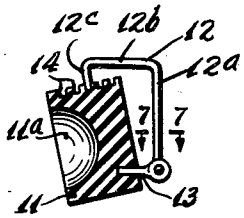


Fig. 4.

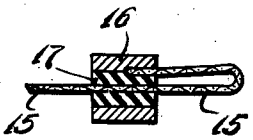


Fig. 6.

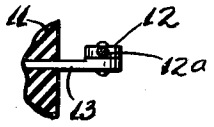


Fig. 7.

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RULER ATTACHMENT FOR SCISSORS

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Application February 26, 1940, Serial No. 320,816

5 Claims. (Cl. 33—186)

This invention relates to new and useful improvements in a ruler attachment for scissors.

This invention proposes the construction of a ruler attachment for scissors characterized by a body adapted to be temporarily attached to the side of one of the blades of a pair of scissors and to which a ruler tape is conveniently attached for permitting a piece of cloth or other object of a desired length to be quickly and easily cut off.

Still further it is proposed to construct said body of rubber having a plurality of suction cavities extending inwards from one face thereof in a manner to permit the body to be quickly and easily releasably attached to the blade by suction.

Still further it is proposed to provide the body with a rod for supporting a ruler tape and adjustably mounted on said body in a manner to assume a position parallel to the cutting plane of the scissors for correspondingly holding the inner end of the ruler tape.

Still further it is proposed to characterize the ruler tape by a means for permitting the same to be adjusted to accurately measure from the cutting plane of the scissors outwards, in a manner to permit the device to be adjusted to scissors having blades of different thicknesses.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:

Fig. 1 is an elevational view of a pair of scissors having a ruler attachment according to this invention secured to one of the blades thereon.

Fig. 2 is an enlarged vertical sectional view on the line 2—2 of Fig. 1.

Fig. 3 is a horizontal sectional view on the line 3—3 of Fig. 1.

Fig. 4 is an enlarged sectional view of the body per se.

Fig. 5 is an enlarged perspective view of the tape per se.

Fig. 6 is a horizontal sectional view through a portion of the tape.

Fig. 7 is a sectional view on the line 7—7 of Fig. 4.

The ruler attachment, according to this invention, is to be used in conjunction with a pair of scissors 10 having adjacent blades 10a and 10b. These blades are pivotally connected together and having a cutting plane 10c between the adjacent faces of the blades 10a and 10b and which extends normally at right angles to the material being cut. The outside faces of the blades 10a and 10b are inclined relative to the cutting plane 10c.

The ruler attachment includes a body 11 which is adapted to be temporarily and quickly attached to the side of one of the blades of the scissors 10. This body 11 is preferably constructed of flexible rubber and is provided with a plurality of suction cavities 11a extending inwards from one face thereof which are adapted to be used for releasably but fixedly attaching the body to the scissors.

A rod 12 for supporting a ruler tape is adjustably mounted on the body 11 to assume a position parallel to the cutting plane 10c. This rod 12 has a vertically extended portion 12a to which the ruler tape is adapted to be attached and which it is preferred to maintain parallel to the cutting plane 10c. To accomplish this the bottom end of the vertical portion 12a is pivotally attached to a bracket 13 molded into the rubber from which the body 11 is formed. The top end of the vertical portion 12a continues into a horizontally extended portion 12b which continues into a downwardly extending hook 12c. This hook 12c is adapted to be selectively engaged into one of a plurality of openings 14 formed in the top face of the body 11. This hook 12c and the corresponding openings 14 permit the vertical portion 12a to be adjusted to assume a parallel position with relation to the cutting plane 10c regardless of the inclination of the face of the blade to which the body 11 has been attached.

A ruler tape 15 is attached at one end to the rod 12 and is adapted to be extended therefrom in a manner to permit a piece of cloth of a desired length to be quickly measured off and simultaneously cut from the bolt of material. This ruler tape 15 is provided with a calibrated scale of inches 15a which increase progressively from the body 11 to the free end of the ruler tape 15. The end of the ruler tape 15 from which the scale 15a starts is adapted to be engaged about the vertical portion 12a of the rod 12, as shown in Fig. 2. This end is then extended along the back face of the ruler tape 15 and a means is provided for setting the ruler tape relative to the rod 12 to measure accurately from the cutting plane 10c. To accomplish this the body portion of the ruler tape 15 is extended through a metallic sleeve 16 which is provided on its inner face with a rubber covering 17 which frictionally engages the faces of the ruler tape 15 for selectively

holding the sleeve 16 in various adjusted positions along the length of the ruler tape 15.

The end of the ruler tape 15 which is passed around the vertical portion 12a of the rod 12 is securely clamped in position between the adjacent faces of the sleeve 16 and the rubber material 17 as shown in Fig. 6. The sleeve 16 is provided for permitting the ruler tape to be adjusted with relation to the cutting plane 10c of the scissors to compensate for blades of different thicknesses to cause the ruler tape to accurately indicate the length with relation to the cutting plane.

To accomplish this it is merely necessary to mark off a predetermined length and to accurately align the cutting plane 10c with one end of this predetermined length and then adjust the sleeve 16 to align the proper markings of the calibrated scale 15 with the other end of the predetermined length which will cause the tape to be accurately adjusted for all future measurements made when the body is attached to a blade of that particular pair of scissors for which the adjustment has been made.

The operation of this invention is as follows: The body 11 is secured to the face of one of the blades of the pair of scissors 10 and the ruler tape is properly adjusted as previously described for permitting a piece of cloth to be accurately measured off and simultaneously cut from the bolt by manipulating the scissors 10 in a conventional manner.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. A ruler attachment for scissors, comprising a rubber body, a plurality of suction cavities extended inwards from one face of said body permitting said body to be temporarily and quickly attached to one side of one of the blades of a pair of scissors, a rod for supporting a ruler tape, and means for adjustably mounting said rod on the side of said body opposed to the side having said cavities, whereby said rod may be adjusted to assume a position parallel to the cutting plane of said scissors regardless of the inclination of the surface upon which said body is mounted.

2. A ruler attachment for scissors, comprising a rubber body, a plurality of suction cavities extended inwards from one face of said body permitting said body to be temporarily and quickly attached to one side of one of the blades of a pair of scissors, a rod for supporting a ruler tape, and means for adjustably mounting said rod on the side of said body opposed to the side having said cavities, whereby said rod may be adjusted to assume a position parallel to the cutting plane of said scissors regardless of the inclination of the surface upon which said body is mounted, said rod, comprising a vertically extending portion for receiving said ruler tape, a substantially horizontal top portion continuing from the top end of said vertical portion, and a downwardly extending hook portion continuing from the end of said horizontal top portion.

3. A ruler attachment for scissors, comprising a rubber body, a plurality of suction cavities extended inwards from one face of said body permitting said body to be temporarily and quickly attached to one side of one of the blades of a pair of scissors, a rod for supporting a ruler tape, and means for adjustably mounting said rod on the side of said body opposed to the side having said cavities, whereby said rod may be adjusted to assume a position parallel to the cutting plane of said scissors regardless of the inclination of the surface upon which said body is mounted, said rod, comprising a vertically extending portion for receiving said ruler tape, a substantially horizontal top portion continuing from the top end of said vertical portion, and a downwardly extending hook portion continuing from the end of said horizontal top portion, said means comprising a bracket molded into the side of said body on the side opposed to the side having said cavities and pivotally supporting the bottom end of the vertical portion of said rod, said body being formed with a plurality of openings in its top face into which the downwardly extending hook portion is adapted to be selectively engaged.

4. A ruler attachment for scissors, comprising a rubber body, a plurality of suction cavities extended inwards from one face of said body permitting said body to be temporarily and quickly attached to one side of one of the blades of a pair of scissors, a rod for supporting a ruler tape, and means for adjustably mounting said rod on the side of said body opposed to the side having said cavities, whereby said rod may be adjusted to assume a position parallel to the cutting plane of said scissors regardless of the inclination of the surface upon which said body is mounted, said rod, comprising a vertically extending portion for receiving said ruler tape, a substantially horizontal top portion continuing from the top end of said vertical portion, and a downwardly extending hook portion continuing from the end of said horizontal top portion, said means, comprising a bracket molded into the side of said body on the side opposed to the side having said cavities and pivotally supporting the bottom end of the vertical portion of said rod, said body being formed with a plurality of openings in its top face into which the downwardly extending hook portion is adapted to be selectively engaged, said openings being arranged in a line extending at right angles to the length of said scissors.

5. A ruler attachment for scissors, comprising a body mounted on the side of one of the blades of said scissors, a rod mounted on said body for supporting a ruler tape, a ruler tape having a calibrated scale of inches with the end adjacent the small end of said scale looped about said rod, a metallic sleeve fixedly mounted on the said end of said ruler tape and freely encircling an intermediate portion of said ruler tape, and rubber mounted on the inside faces of said sleeve and frictionally engaging the adjacent faces of said ruler tape, whereby the length of said ruler tape may be changed by moving said sleeve along the length of said ruler tape as controlled by said calibrated scale to measure accurately from the cutting plane of said scissors.

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