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SILK CLEANER

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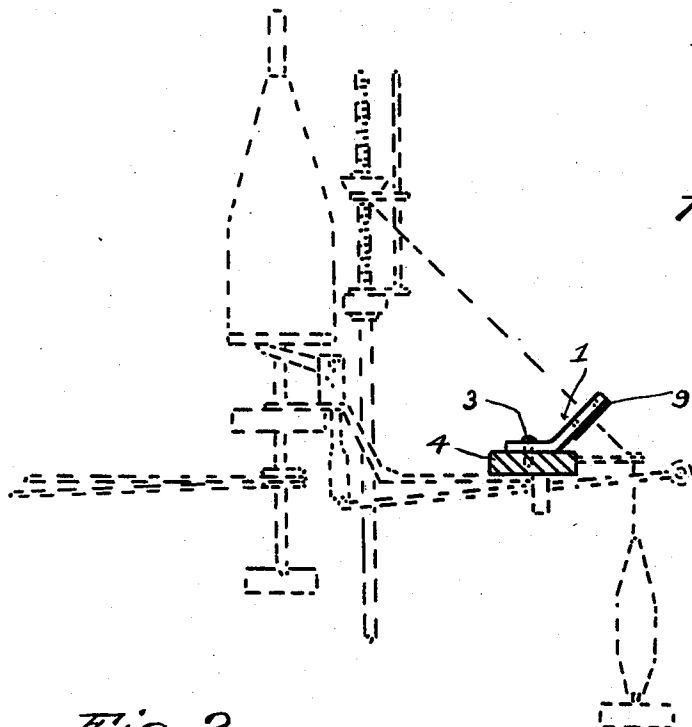


Fig. 1.

Fig. 2.

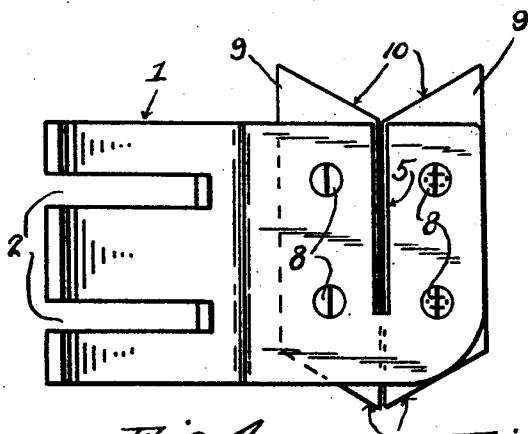


Fig. 3.

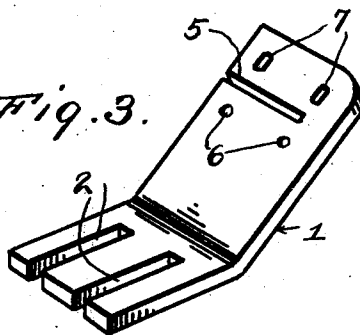


Fig. 4.

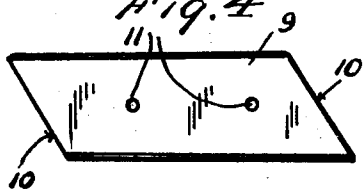
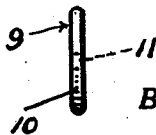


Fig. 5.



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SILK CLEANER

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The present invention relates to a silk cleaner for use on textile machinery and has for one of its important objects to provide, in a manner as hereinafter set forth, a device of this character embodying a pair of guide members which, in addition to being detachable, reversible and replaceable, are interchangeable, thus permitting a maximum of use to be obtained from said guide members before discarding same.

Other objects of the invention are to provide a silk cleaner of the character described which will be simple in construction, strong, durable, efficient and reliable in operation and which may be manufactured and installed at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawing wherein; like characters of reference designate corresponding parts throughout the several views, and wherein:

Figure 1 is a view in vertical section through the traverse rod of a winding machine, showing a silk cleaner in accordance with the present invention in position thereon.

Figure 2 is a top plan view of the silk cleaner.

Figure 3 is a perspective view of the supporting arm.

Figure 4 is a detail view in top plan of one of the guides.

Figure 5 is a detailed view in end elevation of one of the guides.

Referring now to the drawing in detail, it will be seen that the embodiment of the present invention which has been illustrated comprises an angular arm 1 having spaced, parallel slots 2 extending longitudinally in one end portion thereof for the passage of securing elements 3 for adjustably mounting said arm in position on the traverse rod 4 of the machine.

The other end portion of the arm 1 has extending transversely thereto from one of its longitudinal edges a slot 5 for the reception of the thread. Holes 6 are provided

in the arm 1 adjacent the inner side of the slot 5 and comparatively short, longitudinal slots 7 are provided in said arm 1 between the thread slot 5 and the free end of the arm.

The holes 6 and slots 7 receive the securing elements 8 which provide means for detachably securing the reversible and interchangeable guides 9 in position on the arm 1. It will be noted that the guides 9 project laterally beyond the longitudinal edge of the arm 1 with which the thread slot 5 communicates. The guides 9 are spaced from each other the desired distance for the reception of the thread therebetween, the slots 7 permitting adjustment of the outer guide toward or away from the inner guide.

The guides 9 are of duplicate construction and are provided with diagonal ends 10. This arrangement of the ends facilitates the insertion of the thread, as is believed to be apparent. Further, the thread engaging edges of the guides 9 are rounded, as illustrated to advantage in Figure 5 of the drawing, to reduce wear and injury to the thread passing therebetween to a minimum.

It will thus be seen that I have provided a construction and arrangement which permits the guide elements to be interchanged as well as adjusted, reversed and replaced. The angularity of the arm 1 may be as desired or necessary for different machines. The guides 9 are, of course, provided with openings for the reception of the securing elements 8.

It is believed that the many advantages of a silk cleaner constructed in accordance with the present invention will be readily understood, and although the preferred embodiment of the invention is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed.

Having thus described my invention, what I claim as new is:

1. A silk cleaner comprising a supporting arm, means for mounting said supporting arm in position on a machine, said arm having a thread retaining slot extending trans-

versely thereinto from one longitudinal edge thereof, the arm further having holes therein adjacent one side of the slot and comparatively short, longitudinal slots therein
5 adjacent the other side of the thread slot, duplicate, removable interchangeable guides mounted on the arm on opposite sides of the thread slot, and securing elements for the guides engaged in the holes and in the longitudinal slots.
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2. A silk cleaner comprising a supporting arm, means for mounting said supporting arm in position on a machine, said arm having a thread retaining slot extending transversely thereinto from one longitudinal edge thereof, the arm further having holes therein adjacent one side of the slot and comparatively short, longitudinal slots therein adjacent the other side of the thread slot, duplicate, removable interchangeable guides
15 mounted on the arm on opposite sides of the thread slot, and securing elements for the guides engaged in the holes and in the longitudinal slots, the guides having diagonal ends and further having rounded side edges.
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In testimony whereof I affix my signature.

JAMES FYFE TAYLOR.

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