May 12, 1953 J. BATURA 2,637,955

ABRASIVE RIBBON HOLDER

Filed Feb. 15, 1952

Fig. 1.

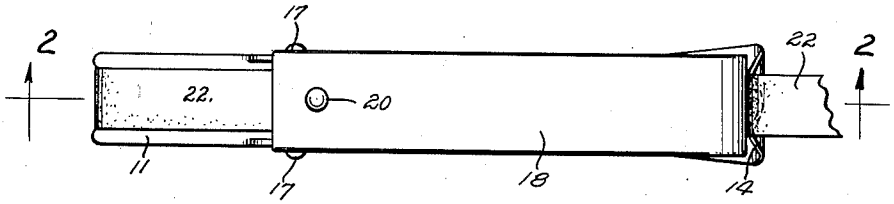


Fig. 5.

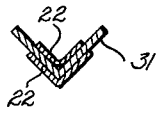


Fig. 2.

Fig. 3.

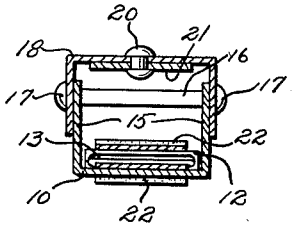


Fig. 4.

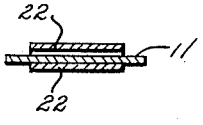
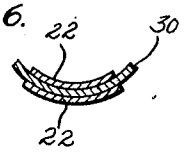


Fig. 6.



INVENTOR

John Batura

Patented May 12, 1953 2,637,955

UNITED STATES PATENT OFFICE

2,637,955

ABRASIVE RIBBON HOLDER

John Batura, Pawtucket, R. I.

Application February 15, 1952, Serial No. 271,819

3 Claims. (Cl. 51—187)

1

The present invention relates to an abrasive ribbon holder and it consists in the combinations, constructions and arrangements of parts herein described and claimed.

It is accordingly an object of the invention to provide a novel holder for abrasive cloth.

Another object of the invention is to provide a device of the character set forth which is simple in construction, in expensive to manufacture and yet effective and efficient in use.

Another object of the invention is to provide, in a device of the character set forth, novel tightening means forming a part of the invention.

A further object of the invention is the provision, in a device of the character set forth, of novel latching means forming a part of the invention.

Other and further objects of the invention will become apparent from a reading of the following specification taken in conjunction with the drawing, in which:

Figure 1 is a plan view of an embodiment of the invention,

Figure 2 is a sectional view taken along line 2—2 of Figure 1,

Figure 3 is an enlarged sectional view taken along line 3—3 of Figure 2,

Figure 4 is a sectional view taken along line 4—4 of Figure 2,

Figure 5 is a view similar to Figure 4 but showing a modified form the invention may assume, and

Figure 6 is a view similar to Figures 4 and 5 but showing still another form the invention may assume.

Referring more particularly to the drawing, there is shown therein, an abrasive ribbon holder comprising an elongated body 10 having a forwardly projecting nose 11 which is interconnected with the body 10 by means of a transversely extending inverted U-shaped portion 12. A transverse slot 13 extends through the rearward leg of the U-shaped portion 12.

The rearward end of the body 10 has integrally formed therewith an upwardly curved latch member 14. The nose 11 and body 10 have integrally formed therewith upwardly extending sides 15 to the forward upper end of which is affixed a transverse axle 16 which is preferably riveted, as at each of its ends, as indicated at 17. Pivotally mounted upon the axle 16 is a lever 18 which is inverted U-shaped in cross sectional area and whose rearward end is provided with an integrally formed downwardly curved latch member 19 which is adapted to fit within

2

the latch member 14 when the handle is brought toward the body 10.

Affxed to the forward underside of the bight portion of the handle 18 by means of a rivet 20 is a rearwardly and downwardly extending flat spring 21. It will be apparent that a strip or ribbon of emery cloth indicated at 22 may be threaded from a point midway of the underside of the body 10 thence forwardly over the nose 11, thence rearwardly and upwardly through the slot 13 and over the latch member 14 whereupon the lever 18 may be drawn toward the body 10 in such manner that the free end of the spring 21 will first engage the uppermost portion of the strip 22 and thence move the same frictionally rearwardly and thereafter the latch member 19 will engage the remainder of the strip between the latch member 14 thus securely locking the same in position and presenting a working surface upon either side of the nose 11 as clearly shown in Figure 2 of the drawing.

For curvular work the nose 11 may be arcuate in cross sectional area, as indicated at 30 in Figure 6.

Again, it may be desirable to have the nose V-shaped in cross sectional area, as indicated at 31 in Figure 5 of the drawing and it will be readily apparent that various other shapes may be imparted to the nose 11 in accordance with the work desired to be performed thereby.

While but three forms of the invention has been shown and described herein, it will be readily apparent to those skilled in the art that many minor modifications may be made without departing from the spirit of the invention or the scope of the appended claims.

What is claimed is:

1. A device of the character described comprising an elongated body, a forwardly projecting nose of sheet material formed integrally with said body, a latch member formed integrally with the rear end of said body, a handle pivoted to said body adjacent its juncture with said nose, a latch member formed integrally with the free end of said handle and adapted to coact with the latch member of said body to interconnect said body and said handle and to hold therebetween one end of a flexible strip of abrasive material, said body having a transverse slot adjacent the juncture between said body and said nose for the passage therethrough of said strip, said strip adapted to be extended over both sides of said nose, and a flat spring affixed to the underside of the forward portion of said handle and extending downwardly and rearwardly whereby its

free end may engage and tension the other end of said strip.

2. A device of the character described comprising an elongated body, a forwardly projecting nose of sheet material formed integrally with said body, a latch member formed integrally with the rear end of said body, a handle pivoted to said body adjacent its juncture with said nose, a latch member formed integrally with the free end of said handle and adapted to coact with the latch member of said body to interconnect said body and said handle and to hold therebetween one end of a flexible strip of abrasive material, said body having a transverse slot adjacent the juncture between said body and said nose for the passage therethrough of said strip, said strip adapted to be extended over both sides of said nose, and a flat spring affixed to the underside of the forward portion of said handle and extending downwardly and rearwardly whereby its free end may engage and tension the other end of said strip, the said nose being arcuate in cross sectional area.

3. A device of the character described comprising an elongated body, a forwardly projecting nose of sheet material formed integrally with said body, a latch member formed integrally with the rear end of said body, a handle pivoted to said body adjacent its juncture with said nose, a latch member formed integrally with the free end of said handle and adapted to coact with the latch member of said body to interconnect said body and said handle and to hold therebetween one end of a flexible strip of abrasive material, said body having a transverse slot adjacent the juncture between said body and said nose for the passage therethrough of said strip, said strip adapted to be extended over both sides of said nose, and a flat spring affixed to the underside of the forward portion of said handle and extending downwardly and rearwardly whereby its free end may engage and tension the other end of said strip, said nose being V-shaped in cross sectional area.

JOHN BATURA.

No references cited.