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G. VAN ASSEN

2,262,907

ABRASIVE STRIP HOLDER

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Fig. 1.

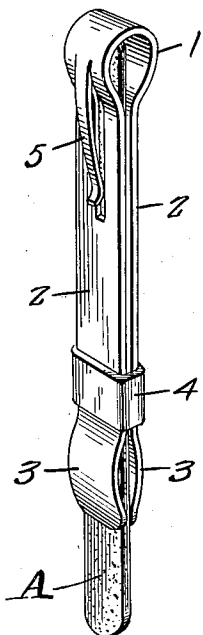


Fig. 2.

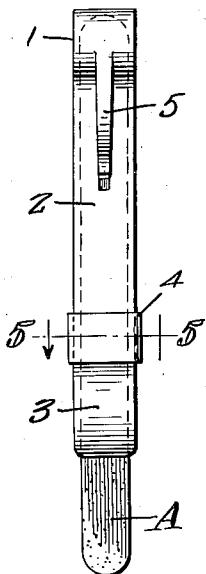


Fig. 3.

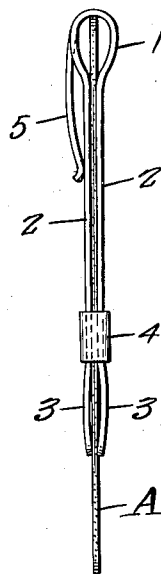


Fig. 4.

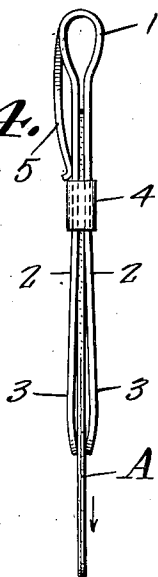
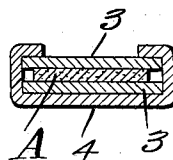


Fig. 5.



P. H. Hickey
WITNESS

Garry Van Assen,

INVENTOR

BY *Victor J. Evans & Co.*

ATTORNEYS

UNITED STATES PATENT OFFICE

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ABRASIVE STRIP HOLDER

Garry Van Assen, Franklin, N. J.

Application February 18, 1941, Serial No. 379,501

5 Claims. (Cl. 51-186)

This invention relates to abrasive strip holders, and its general object is to provide a holder that is primarily designed for conveniently handling and prolonging the usefulness of a strip of abrasive material of the type now generally employed by mechanics for dressing ignition points of engines, the strip being exceptionally efficient for that purpose when in a clean condition, but as it is practically impossible for a mechanic to maintain clean hands while at work, the strip becomes coated and saturated with dirt and grease after handling the same for a short period of time and thus is rendered useless.

A further object is to provide a strip holder which not only protects the strip against the accumulation of dirt and grease thereon, as only a necessary portion of the strip is exposed for use, but the holder sets up a positive clamping action on the strip to prevent casual removal or displacement thereof, yet the strip can be applied and removed with respect to the holder in an easy and expeditious manner.

Another object is to provide a strip holder which makes it possible to use substantially the entire strip, as when the exposed portion becomes worn, it can be cut off and replaced by another portion.

A still further object is to provide a strip holder that includes a clip or clasp for fastening the holder in the pocket of the user, and the holder is simple in construction, inexpensive to manufacture, and extremely efficient in operation, use and service.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawing and specifically pointed out in the appended claims.

In describing the invention in detail, reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is a perspective view of the holder which forms the subject matter of the present invention and illustrates an abrasive strip clamped therein.

Figure 2 is a front view thereof.

Figure 3 is an edge elevation.

Figure 4 is a view similar to Figure 3 with the jaws released from the strip, to allow application and removal thereof with respect to the holder.

Figure 5 is a sectional view taken approximately on line 5-5 of Figure 2, looking in the direction of the arrows.

Referring to the drawing in detail, it will be noted that my holder is in the form of a clamp and includes a body member made into a single unit from an elongated relatively narrow flat strip of resilient metal bent midway its ends to provide a looped portion 1 of substantially oval formation, and extending from the looped portion are handle portions 2 which together with the looped portion provides convenient thumb and finger gripping means when dressing the ignition points, as will be apparent. The handle portions tend to spread apart, as they are urged accordingly by the natural inherent resiliency of the metal, and the spreading action is increased by the looped portion.

The handle portions merge at their outer ends into jaws 3 that are outwardly deflected in curved formation, but terminate in inwardly directed outer ends, that cooperate with each other in a manner and for a purpose which will be later described.

Mounted for slidable movement on and along the length of the handle portions and shaped in substantially rectangular formation, for fitting engagement about the same, as best shown in Figure 5 is a collar like member 4 that not only holds the handle portions together against the natural tendency thereof to spread, but when moved against the outwardly flared jaws will urge and hold the outer ends of the jaws in clamping relation.

Struck from the looped portion and the upper end of one handle portion for disposal along the longitudinal center of the latter is an outwardly curved clip 5 having its lower portion directed toward its handle portion, but terminates in an outwardly flared lower end to facilitate the attachment of the clip to the pocket of the user for fastening the holder within the pocket as will be apparent.

From the above description and the disclosure in the drawing, it will be obvious that the abrasive strip A is inserted between the jaws and handle portions when the collar like member is in its uppermost position, and it will be noted that the strip is of an initial length to extend within the looped portion, as well as a considerable distance outwardly of the jaws. When the strip is so arranged, the collar like member is moved in engagement with the jaws to draw the outer ends thereof toward each other, and in vise like clamping contact with the strip, thus preventing any possibility of casual removal or displacement thereof. When the exposed or outwardly extending portion of the strip has become worn, it

is cut off and a new portion is exposed, merely by releasing the jaws and sliding the strip outwardly thereof, and thence again tightening the jaws, as will be apparent, thus it will be seen that not only substantially the entire strip can be used with utmost convenience and satisfaction but the strip will be amply protected against becoming coated and saturated with grease and dirt, inasmuch as the strip is of less width than that of the body member, as clearly shown in Figure 5.

It is thought from the foregoing description that the advantages and novel features of the invention will be readily apparent.

It is to be understood that changes may be made in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:

1. An abrasive strip holder comprising a pair of companion jaws normally urged in spaced relation from each other for receiving the strip between the same, said jaws terminating in free ends directed toward each other, and slidably mounted means for moving and holding said free ends in clamping engagement with said strip.
2. An abrasive strip holder comprising a pair of handle portions, outwardly curved companion jaws formed on the handle portions at one end thereof and normally urged in spaced relation from each other for receiving the strip between the same, said jaws terminating in free ends directed toward each other, and means slidably mounted on the handle portions for engagement with the jaws to move and hold said free ends in clamping engagement with said strip.
3. An abrasive strip comprising a pair of flat handle portions, outwardly curved companion jaws formed on the handle portions at one end thereof and normally urged by the handle portions in spaced relation from each other for receiving the strip between the same, said jaws ter-

minating in free ends directed toward each other, a collar like member slidably mounted on the handle portions for engagement with the jaws to move and hold said free ends in clamping engagement with said strip, and a clip mounted on said holder and cooperating with one of said handle portions for fastening the holder within a pocket of the user.

4. An abrasive strip holder comprising a body member formed from a single elongated relatively narrow flat piece of resilient metal bent midway its ends to provide a looped portion, handle portions formed on the looped portion, outwardly curved companion jaws at the outer ends of the handle portions and normally urged by the latter in spaced relation from each other for receiving the strip between the same, said jaws terminating in free ends directed toward each other, and a collar like member slidably mounted on the handle portions to embrace said jaws adjacent their juncture with the handle portions for moving and holding said free ends in clamping engagement with said strip.

5. An abrasive strip holder comprising a body member formed from a single elongated relatively narrow flat piece of resilient metal bent midway its ends to provide a looped portion, handle portions formed on the looped portion, outwardly curved companion jaws at the outer ends of the handle portions and normally urged by the latter in spaced relation from each other for receiving the strip between the same, said jaws terminating in free ends directed toward each other, a collar like member slidably mounted on the handle portions to embrace said jaws adjacent their juncture with the handle portions for moving and holding said free ends in clamping engagement with said strip, and a clip struck from the looped portion and one of said handle portions for cooperation with the latter to fasten said holder within a pocket of the user.

GARRY VAN ASSEN.