J. A. VAN SICKLE.

TOOL SUPPORTER.

APPLICATION FILED JULY 6, 1920.

1,368,377. Patented Feb. 15, 1921.

Fig. 1.

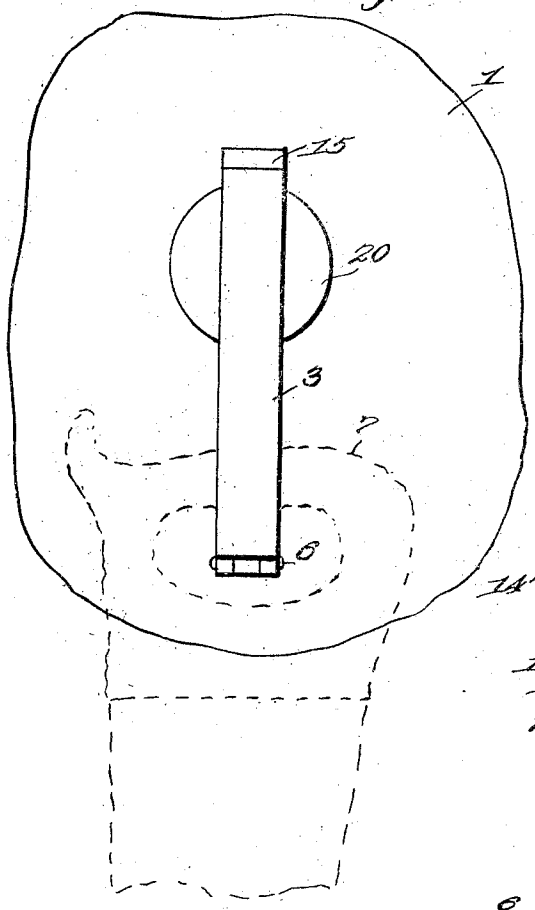


Fig. 2.

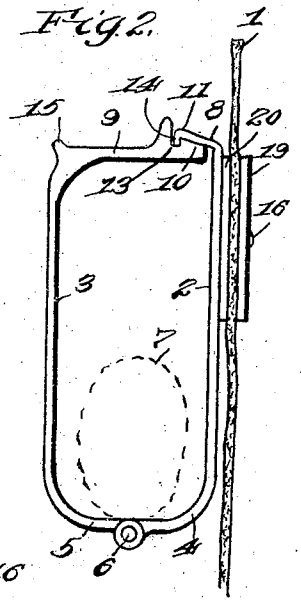
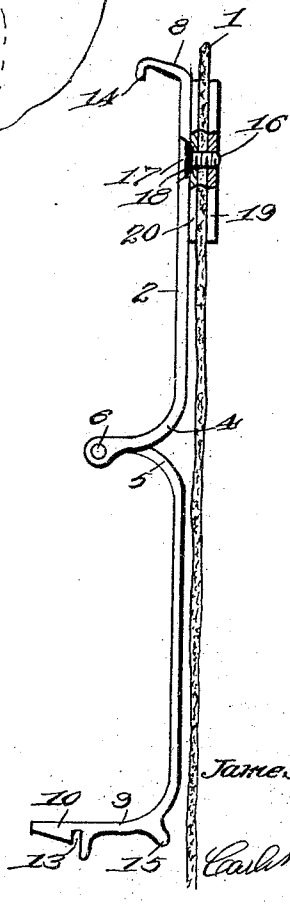


Fig. 3.



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TOOL-SUPPORTER.

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To all whom it may concern:

Be it known that I, JAMES A. VAN SICKLE, citizen of the United States, residing at Reardon, in the county of Lincoln and State of Washington, have invented certain new and useful Improvements in Tool-Supporters, of which the following is a specification.

This invention relates to improvements in supporters for tools and has for its particular object the provision of such a device to be worn by the user to pendently suspend the tool from the garment of the user.

In the case of a carpenter's saw, having an opening in the handle, it is the object of my invention to provide a convenient support whereby the saw, or a like tool, can be readily mounted or demounted on or off the support so that the saw will always be quickly accessible to the user.

An object of the invention is to mount or attach the support to the garment of the user in such a novel manner that in all postures which the user may assume, the tool can hang pendently vertically from his person so as not in any way to restrict his freedom of movement.

A further object is to provide such a support with means whereby it may be readily opened or closed, and a special feature is to arrange a snap connection in such a manner that a single downward thrust may be applied to open the support and release the tool handle therefrom.

It is a feature to provide an openable support of loop form, one loop section having means thereon for attachment to the garment of the user, and it is a particular object to so arrange a hinge for such sections that the weight of the tool on the support cannot apply an opening stress on the sections of the support in a manner to open the same.

Other features and objects of the invention will be more fully described in connection with the accompanying drawing and will be more particularly pointed out in and by the appended claims:—

In the drawing:—

Figure 1, is a face view of one form of my invention showing how a hand saw may be carried thereby.

Fig. 2, is a view in side elevation, with the saw handle in dotted lines.

Fig. 3, is a similar view with the loop support shown opened and the saw removed therefrom.

Like characters of reference designate similar views throughout the different figures of the drawing.

As shown, 1 designates a portion of a carpenter's apron or cover-all, to which the device of my invention is attached. My improved device is shown in the form of an elongated loop composed of rigid sections 2 and 3, preferably formed of metal. Said sections, at their lower ends 4 and 5, are bent toward each other and are provided with butts through which a pintle 6, extends, to form a hinged connection. Thus, the loop is openable and the hinged connection is not only at the lower end of the loop, but is disposed so that the weight of the handle 7, of the saw, cannot be imposed to any great extent, on the outer section 3, at 5. Thus, there can be no opening thrust imparted to the supporter by the weight of the tool.

The upper ends 8 and 9, are provided with resilient portions whereby the sections can be snapped into and out of connected relation. Terminal 10, underlaps terminal 11 and the former is inclined toward a latch notch 13. Terminal 11, has a projection 14, adapted to enter or be sprung into notch 13, as the ends 8 and 9, or rather the end 9 is moved toward end 8. Thus, as in Fig. 2, the sections are connected while in Fig. 3, the section 3 is detached from section 2. The construction is such that downward thrust on the angular part 9, will spring the latter downwardly out of engagement with end 8, and the projection 15, affords a non-slip grip for a portion of the palm of the hand. Thus, by a single down thrust of the hand, the user can in one stroke, release the section 3 and grip the handle of the saw. After section 3, is released, it hangs pendently as shown in Fig. 3, close to the person of the user, and in again inserting the saw handle, it is merely necessary to advance the open handle over the terminal 10, and then lift section 3, from the position shown in Fig. 3, to the position shown in Fig. 2, this being readily possible with one hand. In the closing operation, the inclined terminal 10, assures closing anchorage merely by a thrust on section 3, toward the person of the user.

I will next describe the novel form of means for attachment of the device to the apron of the user.

A screw 16, having a shoulder 17, and a counter-sunk head 18, extends through sec-

tion 3, the head 18 seating in a suitably counter-sunk hole in section 3 so that the screw is swiveled in said section. The shank of the screw 16, extends through the fabric of the user's apron. On one side is a washer 19, and on the other side of the fabric is washer 20, both of which are threaded on screw 16. Screw 16 being swiveled in section 3, can readily be turned by a screw driver to tighten or clamp the washers 19 and 20 against the fabric thereby spreading the clamping surface to prevent the screw 16 from tearing the fabric. In fact, if the washers are tightly clamped, practically all the strain is taken off from the fabric. Because of the shoulder 17, the section 3, cannot be tightened against washer 20 and is therefore always free therefrom. Hence, section 3 can swivel about the head 18 so that in any posture the user assumes, the tool will hang pendently and vertically downwardly and will in no way interfere with the freest movement on the part of the user. Thus it will be seen that I have provided clamping means, swiveled to the loop, to attach the latter to the garment of the user.

It is believed that my invention will be fully understood from the foregoing description, and while I have herein shown one form of my invention, I do not wish to be limited thereto except for such limitations as the claims may impart.

I claim:—

1. As a means of pendently suspending a saw or like handle tool from the garment of the user, a tool supporting loop formed of hinged sections and the free ends of said sections being shaped for snap connection whereby they may be clasped about the tool, handle, and means on one section between said hinge and the free end of said section for connection with the garment of the user.

2. As a means of pendently suspending a saw or like open handle tool from the garment of the user, an elongated loop form support comprising two sections having their lower ends hingedly connected to support the tool handle, the upper ends being shaped for connection with each other about the tool handle, and means on one section for connection with the garment of the user.

3. As a means of pendently suspending a saw or like open handle tool from the garment of the user, an elongated loop support comprising two sections having their lower ends hingedly connected with the hinge connection sufficiently centrally disposed so that the weight of the tool will be imposed on both sections thereby preventing the tool from causing said sections to open, said sections having means for holding them closed about the tool handle, and means for attaching said loop to the garment of the user.

4. As a means of suspending a saw or like handle tool from the garment of the user, an elongated loop composed of rigid sections having their lower ends hingedly connected, the normally inner section having means for attachment to the garment of the user, said inner and outer sections having spring snap terminals whereby said sections may be snapped into or out of embracing relation with the tool handle and the outer spring terminal under-lapping the terminal of said inner section whereby downward thrust applied to said outer section will release it from engagement with said inner section.

5. As a means of suspending a saw or like open handle tool from the garment of the user, a loop support composed of separable sections hingedly united, one section having a screw swiveled therein for projection through the fabric of the user's garment, washers threaded on said screw for engagement on opposite sides of the fabric and adapted to be tightened against the fabric to clamp the same and spread the strain on the garment, the swiveled mounting of said screw in said section permitting the tool to hang vertical irrespective of the posture of the user.

6. As a means of suspending a saw or like open handle tool from the garment of the user, a loop support composed of openable sections, and garment clamping means swiveled on one of said sections for clamping attachment to the garment of the user.

In testimony whereof I affix my signature.

JAMES A. VAN SICKLE.