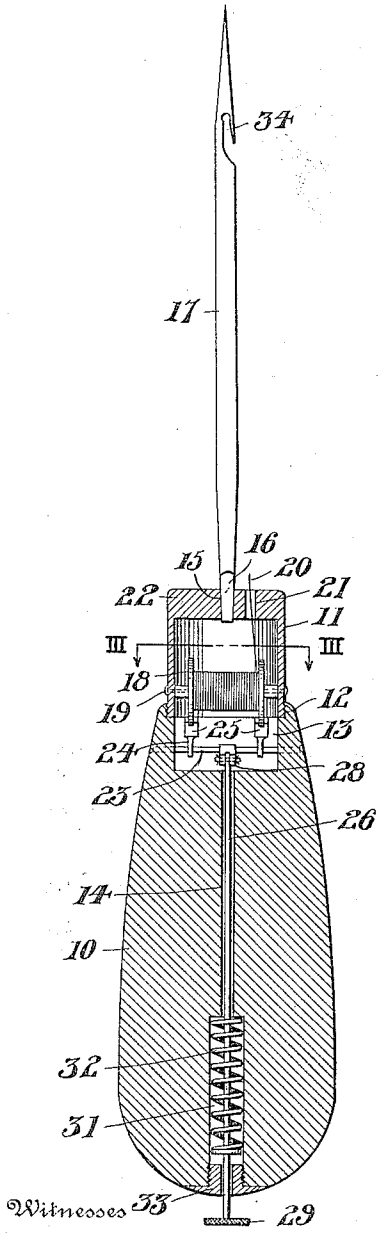
M. GAYDOSH.

SHOEMAKER'S AWL.

APPLICATION FILED MAR. 13, 1915.

1,152,890. Patented Sept. 7, 1915.

Fig. 1.



Witnesses

R. B. Takács

T. A. Bryant.

Fig. 2.

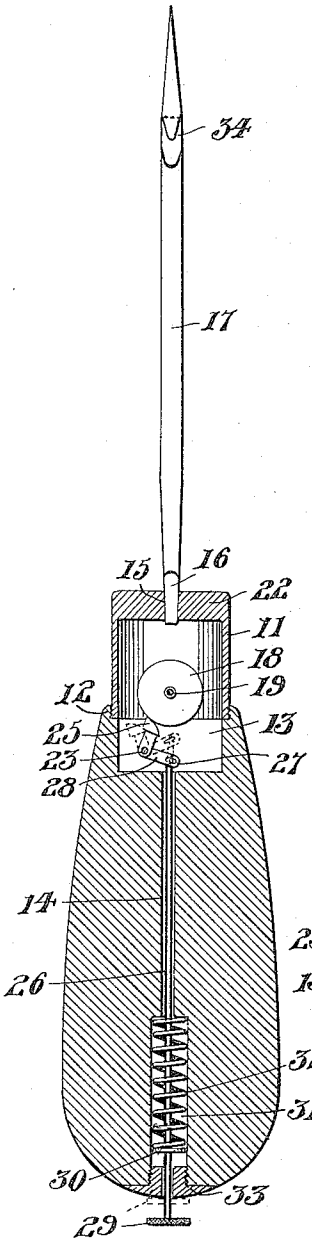


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Fig. 4.

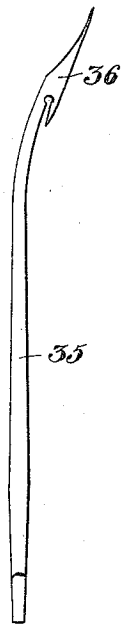
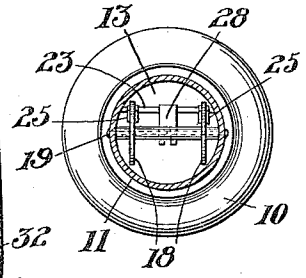


Fig. 3



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SHOEMAKER'S AWL.

1,152,890. Specification of Letters Patent. Patented Sept. 7, 1915.

Application filed March 13, 1915. Serial No. 14,153.

To all whom it may concern:

Be it known that I, MICHAEL GAYDOSH, a citizen of the United States, residing at Clymer, in the county of Indiana and State of Pennsylvania, have invented certain new and useful Improvements in Shoemakers' Awls, of which the following is a specification.

This invention relates to certain new and useful improvements in shoemakers' awls.

The primary object of this invention is the provision of a thread carrier for a shoemaker's awl, the same being arranged for normally holding the thread against removal and being adapted for allowing a use of the thread whenever desired.

A further object of the invention is to provide an awl handle having removable operating awls and provided with a reel for the thread inclosed within the handle provided with manually controlled stop mechanism.

With these general objects in view and others that will appear as the nature of the invention is better understood, the same consists in the novel combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the appended claims.

In the drawings forming a part of this application and in which like-designating characters refer to corresponding parts throughout the several views, Figure 1 is a central longitudinal sectional view through the device with the elements in their normal position. Fig. 2 is a similar sectional view taken upon a plane at right-angles to the plane of section of Fig. 1, and illustrating in dotted lines the brake mechanism in its released position. Fig. 3 is a transverse sectional view taken upon lines III—III of Fig. 1, and Fig. 4 is a side elevation of a modified form of awl detached.

Referring more in detail to the drawings, a handle 10 is provided having a cylindrical casing 11 presenting the substantial exterior appearance of a common ferrule screw-threaded as at 12 into the open end of a chamber 13 provided at one end of the handle, which chamber communicates by means of a central longitudinal bore 14 with the opposite or outer free end of the handle. The outer end of the casing is provided with a centrally positioned inwardly tapered rectangular socket 15 adapted for the reception of the correspondingly formed wedge-shaped tang 16 of the awl 17 and whereby the awl is removably mounted upon the handle casing.

A spool 18 is journaled upon a rod 19 which extends transversely through the casing 11, a casing spool being adapted to hold the thread 20 designed for use with the awl, it being noted that the thread extends through a perforation 21 in the outer end wall 22 of the said casing.

A brake attachment for the spool is provided which consists of a shaft 23 transversely journaled through the chamber 13 and provided with spaced rocker arms 24 secured thereto each of said arms having a brake-shoe or foot 25 for engaging a side of the spool.

An operating rod 26 extends through the handle bore 14 and has its inner end loosely pivoted as at 27 to a central lever 28 carried by the shaft 23. The rod 26 is provided with a terminal operating head 29 exteriorly of the handle 10 and is also provided with a disk 30 within an enlarged portion 31 of the handle bore. An expansion spring 32 is mounted within the enlarged bore section 31 and engages the rod disk 30 for normally projecting said rod and thereby holding the brake shoes 25 in engagement with the spool 18. A perforated bushing 33 is screw-threaded into the outer open end of the bore portion 31 and the rod 26 extends therethrough, it being noted that this arrangement positions the head 29 outwardly of the said bushing and the disk 30 inwardly thereof. The needle or awl 17 may be of any form desired such as that illustrated in Figs. 1 and 2, and having an eye or hook 34 adjacent its pointed end, while an awl 35 of the form shown in Fig. 4 is equally serviceable in connection with the present form of handle and is provided with a curved pointed portion 36. With this arrangement of device, the handle 10 being grasped by the operator, the head 29 of the rod 27 may be readily pressed inward against the spring 32 and thus releasing the brake members 25 from the spool 18 and whereupon the thread 20 may be readily pulled outwardly of the casing 11 through the perforation 21 thereof for free use by the needle and awl member 17 carried by the casing socket 15. When the awl is not in use, and at other times when it is desired to secure the thread 20 against removal, the

head 29 is released and the spring 32 automatically actuates the brakes 25 into engagement with the spool 18, thus preventing the thread 20 from being unwound therefrom.

It will thus be seen that a serviceable device is provided in which the thread may be readily accommodated within an awl handle, and the feeding of the same therefrom regulated by the operator, it being of course understood that the casing 11 may be readily removed from the handle by unscrewing the same therefrom for the purpose of renewing the thread upon the spool.

While the form of the invention herein shown and described is what is believed to be the preferred embodiment thereof, it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

What I claim as new is:—

1. A device of the class described, comprising a handle having a chamber at one end thereof and also having a central longitudinal bore extending therethrough, a casing removably positioned in the open end of the said chamber and having a socket and a perforation provided in the front wall thereof, a needle removably positioned within said socket, a spool removably mounted within said casing, and extending through the said perforation, a pair of tensioned brake levers adapted to frictionally engage the spool flanges, and controlling means for the brake levers connected thereto and operable from the inner end of the handle.

2. A device of the class described, comprising a handle having a chamber at one end thereof, and also having a central longitudinal bore extending therethrough, a casing removably positioned in the open end of the said chamber and having a socket and a perforation provided in the front wall thereof, a needle removably mounted within said socket, a spool journaled in said casing, and extending through said perforation, a shaft transversely journaled through the said chamber, spaced arms secured to the said shaft, spool-engaging brake members at the free ends of the said arms, a centrally positioned operating lever upon said shaft, an operating rod extending through said bore and having its inner end freely pivoted to the free end of the said lever, a disk upon said rod, an expansion spring within said bore and engaging the said disk, and an operating head upon the outer free end of the said rod.

In testimony whereof I affix my signature in presence of two witnesses.

MICHAEL GAYDOSH.

Witnesses:
JOHN PAPIK,
JOHN GAYDOSH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."