Nov. 13, 1928. 1,691,064

O. I. HOPPE

FASTENING DEVICE

Filed March 9, 1925

Fig. 1.

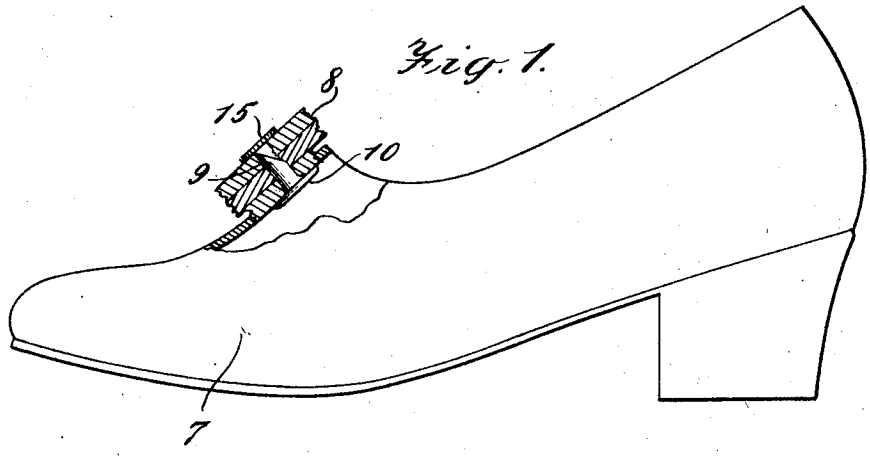



Fig. 2.

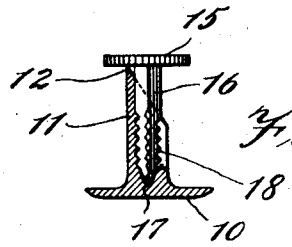



Fig. 4.

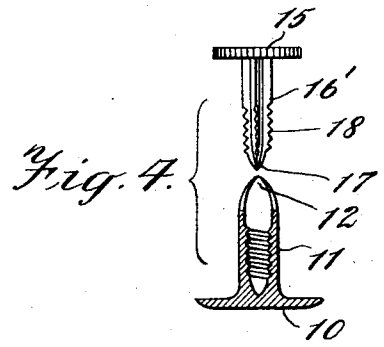



Fig. 3.

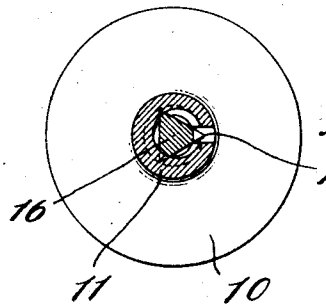
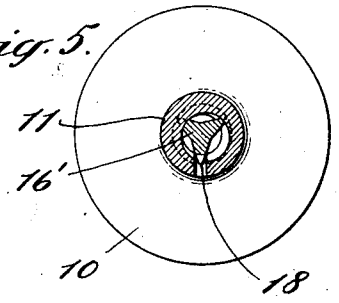



Fig. 5.




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Patented Nov. 13, 1928. 1,691,064

# UNITED STATES PATENT OFFICE.

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## FASTENING DEVICE.

Application filed March 9, 1925. Serial No. 14,032.

My present invention relates to a fastening device particularly adapted for securing buckles or ornaments to shoes but is obviously useful for other and related purposes. My invention will be best understood by reference to the following detailed description and the annexed drawing in which Figure 1 shows my improved device attached to a lady's slipper, a part of said figure being enlarged; Fig. 2 is a view partly in section of a fastening device on a still more enlarged scale; Fig. 3 is an enlarged horizontal sectional view of the device shown in Fig. 2, while Figs. 4 and 5 are views similar to Figs. 2 and 3 respectively, of a slightly modified form.

Referring to the drawing, 7 denotes a lady's slipper which may be of any shape or design. A buckle 8 is shown in place on the front of the shoe by a device designated generally as 9. Any form of buckle may be used and obviously any other useful or ornamental device may be fastened in place instead of a buckle. The buckle and the fastening device are shown on an enlarged scale for the purpose of better illustrating the relation of the parts. Referring to the fastening device, 10 denotes the base portion of the device which is flat and smooth so as not to be uncomfortable to the wearer and is provided with a hollow stem 11. Stem 11 is preferably cut obliquely so as to form a piercing point 12 and relatively sharp cutting edges diverging therefrom. Stem 11 is preferably threaded interiorly so as to receive the shank of the top portion. The latter consists of a head 15 having a shank 16, the lower part of which is provided with screw threads to engage with the stem 11. Preferably shank 16 is also adapted for piercing having for such purpose, a point 17 and relatively sharp edges 18. In other words, shank 16 is of polygonic cross section, the relatively sharp corners only of which are threaded. This is an additional advantage in that the sharp, threaded corners easily become slightly dull whereupon they engage snugly the internal threads in the stem 11, and thereby insure against the top portion becoming loose and lost off.

The device shown in Figs. 4 and 5 differs from that shown in Figs. 2 and 3 only in that the sharp edges of the shank 16′ of Figs. 4 and 5 are each made of triangularly shaped cross section, whereas the shank 16 itself of Figs. 2 and 3 is of triangular shape. Preferably shank 16 or 16′ has a pointed end 17 which may be of service in effecting a puncture of the uppermost layer or layers which are to be secured. Preferably the side walls of the shank 11 are interrupted so as to provide a relatively narrow slot by means of which a pin or other implement may be inserted and the cut out pieces of the fabric removed which may become lodged therein. In use the cutting edges of the base portion may be inserted through the fabric and rotated whereby a clean hole may be produced.

From the foregoing it will be evident that I have provided a simple yet effective form of fastening device which will not easily work loose and which may be used to bind together layers of relatively tough material by virtue of the cutting property of both the base and top portions.

I claim:—

1. A fastening device consisting of a base portion having a hollow stem sharply pointed and provided with an internal thread and a top part having a threaded shank to engage said hollow stem and a head positioned at the end of the said stem opposite the base when said parts are in fastening position.

2. A fastening device consisting of a base portion having a hollow stem cut at an incline so as to form a piercing edge and provided with an internal thread and a top portion having a threaded shank to engage said hollow stem, said shank also having a piercing point and piercing edges leading therefrom.

3. A fastening device consisting of a base portion having a hollow stem cut at an incline so as to form a piercing edge and provided with an internal thread and a top portion having a threaded shank to engage said hollow stem, said shank being of polygonic cross section.

4. A fastening device consisting of a base portion having a hollow stem cut at an incline so as to form a piercing edge and provided with an internal thread opening in a direction toward the piercing edge and a top portion having a threaded shank to engage said hollow stem and a head adjacent the piercing edge of said stem when said parts are in holding position.

OLGA I. HOPPE.