

No. 859,724.

PATENTED JULY 9, 1907.

G. T. BARR.
HYPODERMIC NEEDLE CLEANER.
APPLICATION FILED OCT. 23, 1906.

Fig. 1

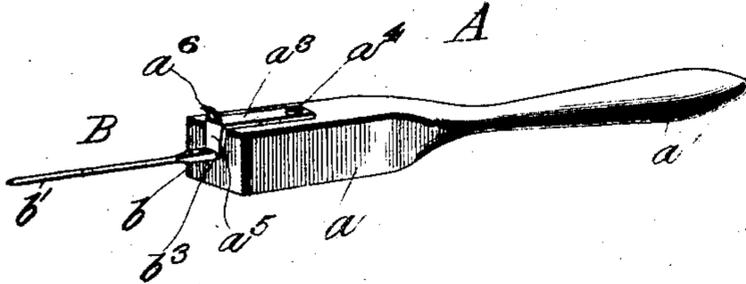


Fig. 2

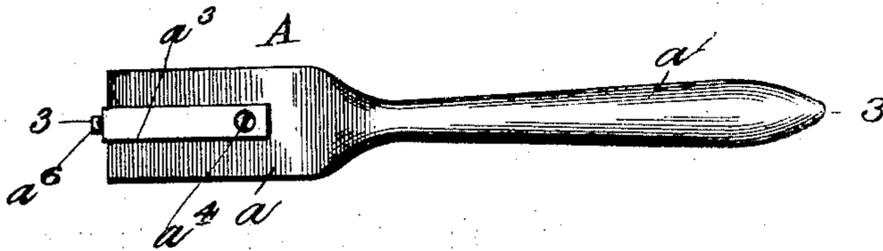


Fig. 3

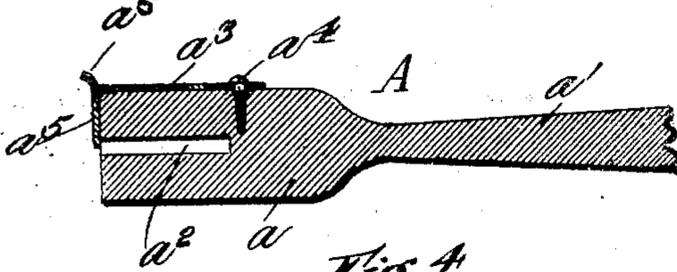


Fig. 4

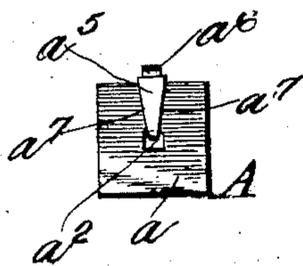
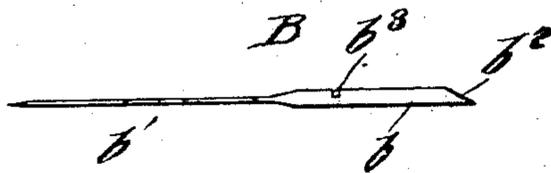


Fig. 5



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE T. BARR, OF SAN ANTONIO, TEXAS, ASSIGNOR OF FIVE-TENTHS TO LEON A. BAER
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HYPODERMIC-NEEDLE CLEANER.

No. 859,724.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed October 23, 1906. Serial No. 340,227.

To all whom it may concern:

Be it known that I, GEORGE T. BARR, a citizen of the United States, and a resident of San Antonio, in the county of Bexar and State of Texas, have invented an Improvement in Hypodermic-Needle Cleaners, of which the following is a specification.

My invention is an improvement in hypodermic needle cleaners, and consists in certain novel constructions and combinations of parts as hereinafter described and claimed.

Referring to the drawings forming a part hereof, Figure 1 is a perspective view of my improved cleaner. Fig. 2 is a top plan view of the handle. Fig. 3 is a section on the line 3—3 of Fig. 2. Fig. 4 is an end view of the handle, and Fig. 5 is a side view of the drill.

In the present embodiment of my invention, is shown a handle A, having one of its ends formed into the grip a' the other end a being square in cross section. The square end a , is provided with a longitudinal recess a^2 , and the said recess is also square in cross section.

A plate a^3 has one of its ends connected to the outer face of the square end of the handle by a screw a^4 , the said plate being arranged longitudinally of the handle and the other end thereof is provided with a catch a^5 , the said catch being arranged at right-angles to the plate and lying along the end of the squared portion.

The end of the catch extends partially over the opening of the recess a^2 , as shown in Fig. 4, and the sides of the catch are beveled from above downwardly as at a^7 , a thumb-piece a^6 being arranged at the junction of the catch and the plate whereby to manipulate the catch.

The drill proper B, comprises a shank b square in cross section, and the point b' , the shank being provided with a beveled end b^2 for engaging and lifting the catch when the shank is introduced into the recess

a^2 , and at a suitable distance from the beveled end b^2 , a notch b^3 is provided for engagement by the catch a^5 when the drill is properly seated in the recess.

Hypodermic needles, as is well known, are of different sizes and diameters, and to properly clean said needles a drill should be introduced of a cross section substantially equal to that of the opening of the needle. With my improved cleaner, the drills suitable to the different size needles may be quickly introduced into the handle by merely pushing them into the recess, and may be easily disengaged by lifting upon the thumb-piece a^6 to release the catch.

I claim—

1. An instrument for the purpose set forth, comprising a handle having a longitudinal recess in one end thereof, said recess being square in cross section, a plate secured by one end to one of the sides of the handle, and having an angular catch, the end of the catch projecting partially over the opening of the recess, and said plate being provided with a thumb-piece for manipulating the catch, and a drill provided with a shank square in cross section for entering the recess, said shank having a beveled end for engaging the catch to lift the same when the drill is introduced into the recess, and a notch spaced apart from the beveled end for engagement by the catch when the said drill is properly seated.

2. An instrument for the purpose set forth, comprising a handle having a recess in one end thereof, said recess being polygonal in cross section, a catch projecting partially over the opening of the recess, and a drill provided with a shank having a cross section similar to that of the recess, said shank having a beveled end for lifting the catch when the drill is introduced into the recess, and a notch spaced apart from the beveled end for engagement by the catch when the drill is properly seated.

GEORGE T. BARR.

Witnesses:

WALTER COX,
O. F. HARDWICK.