

No. 755,628.

PATENTED MAR. 29, 1904.

J. L. DAVIDSON.
POCKET SEWING AWL.

APPLICATION FILED MAY 8, 1903.

NO MODEL.

Fig. I

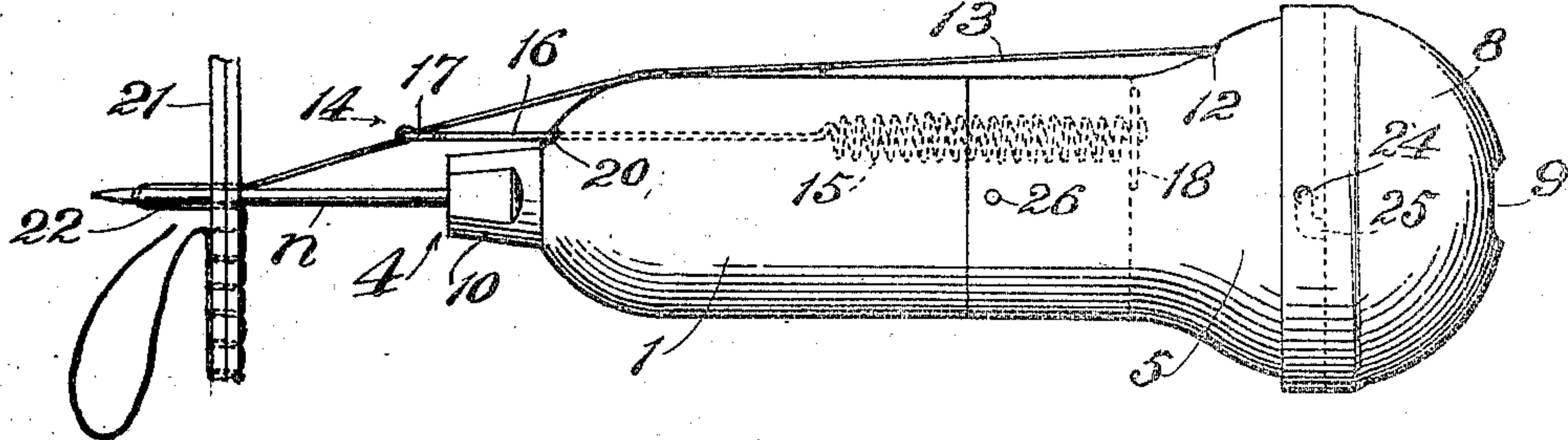


Fig. II

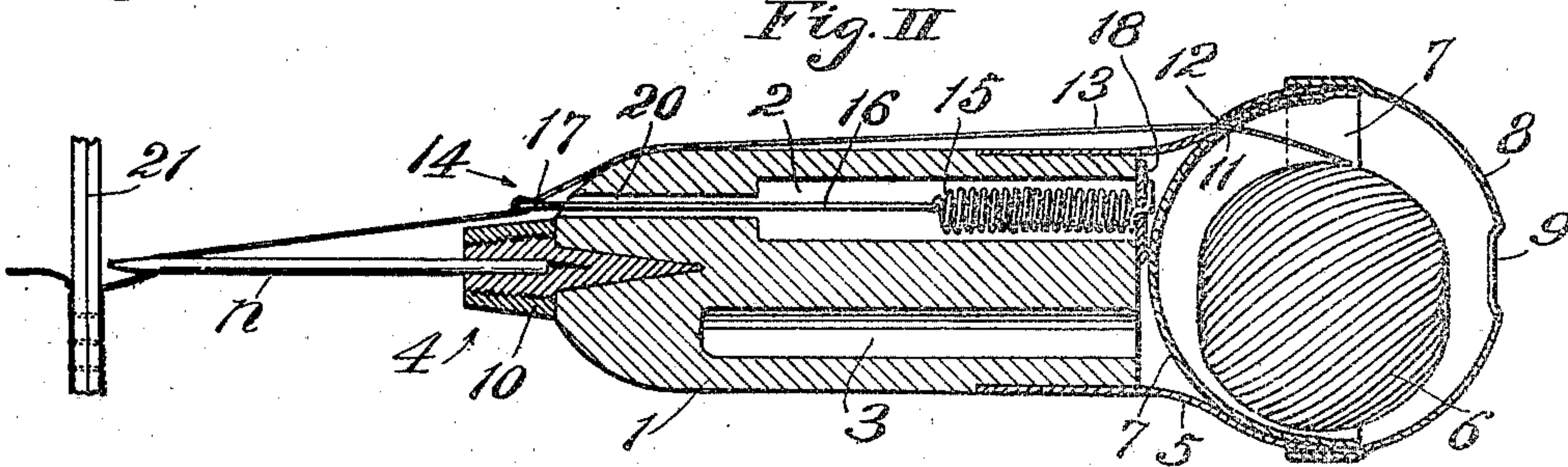


Fig. III

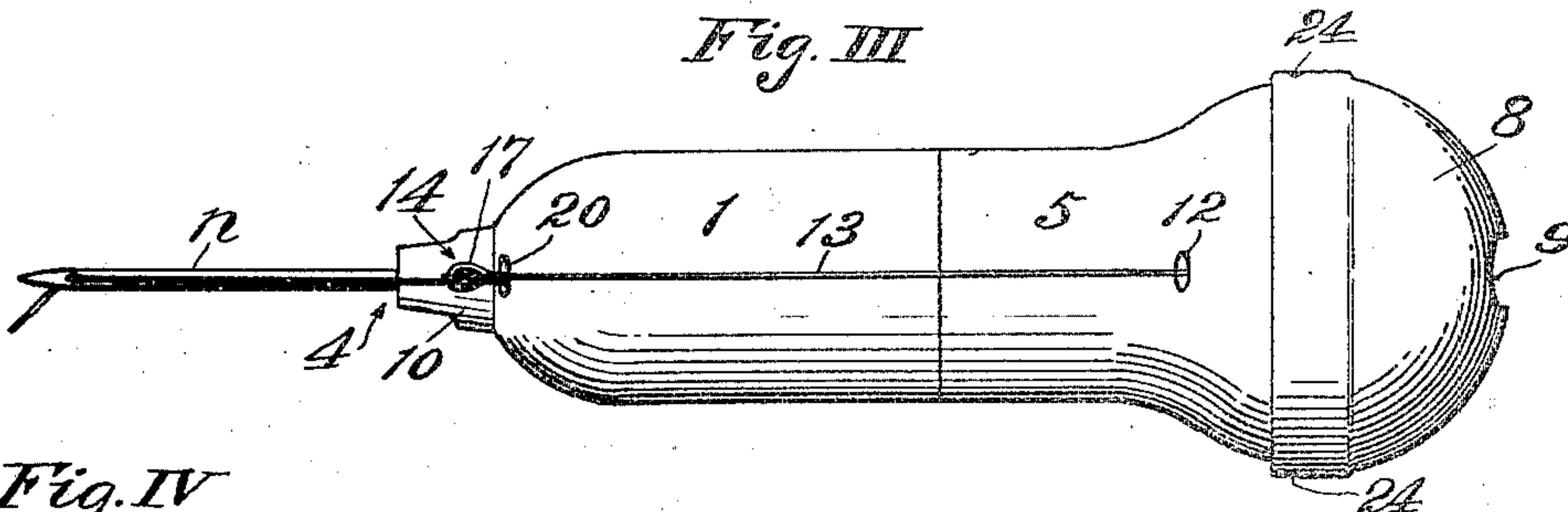


Fig. IV

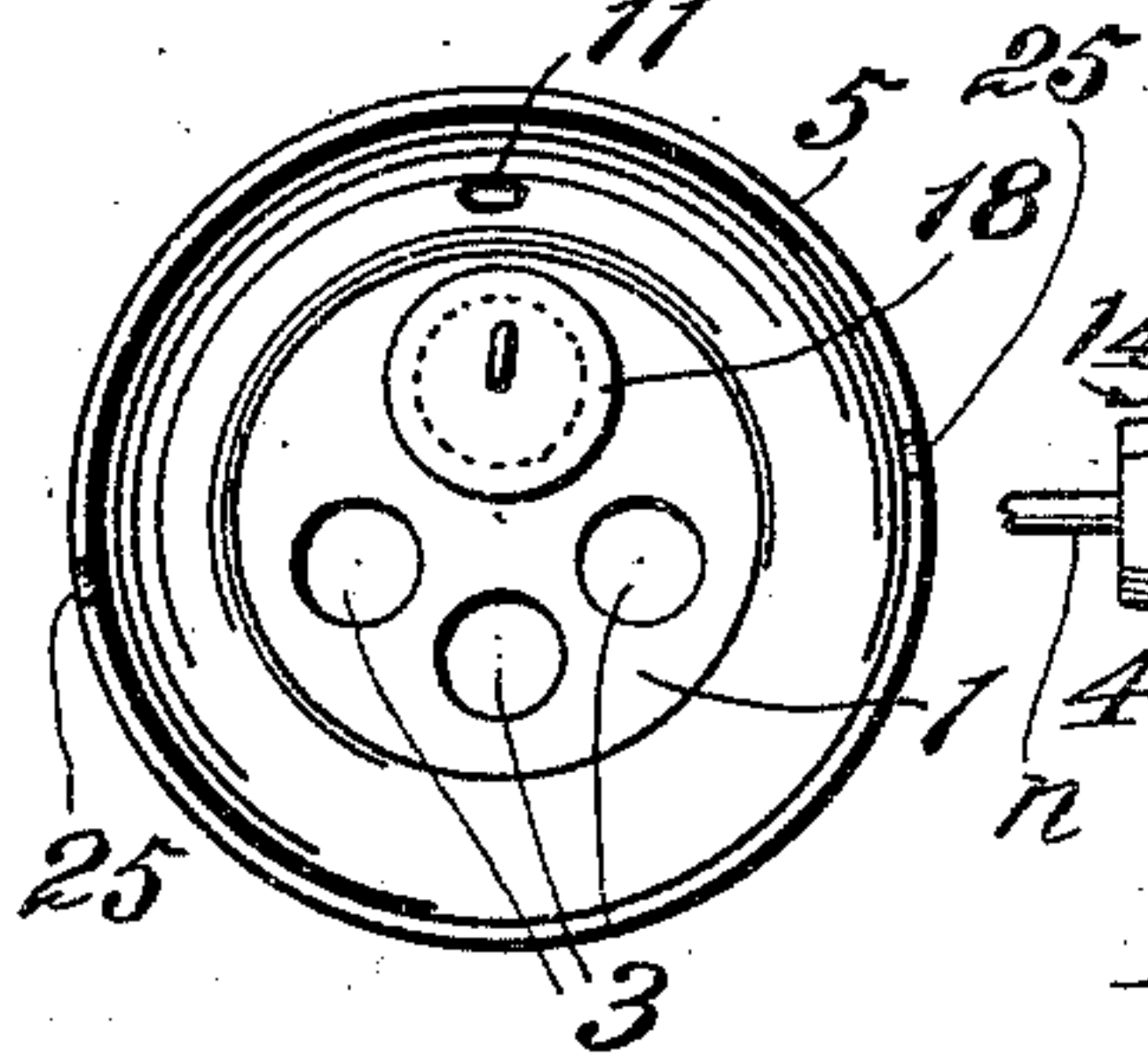


Fig. VII

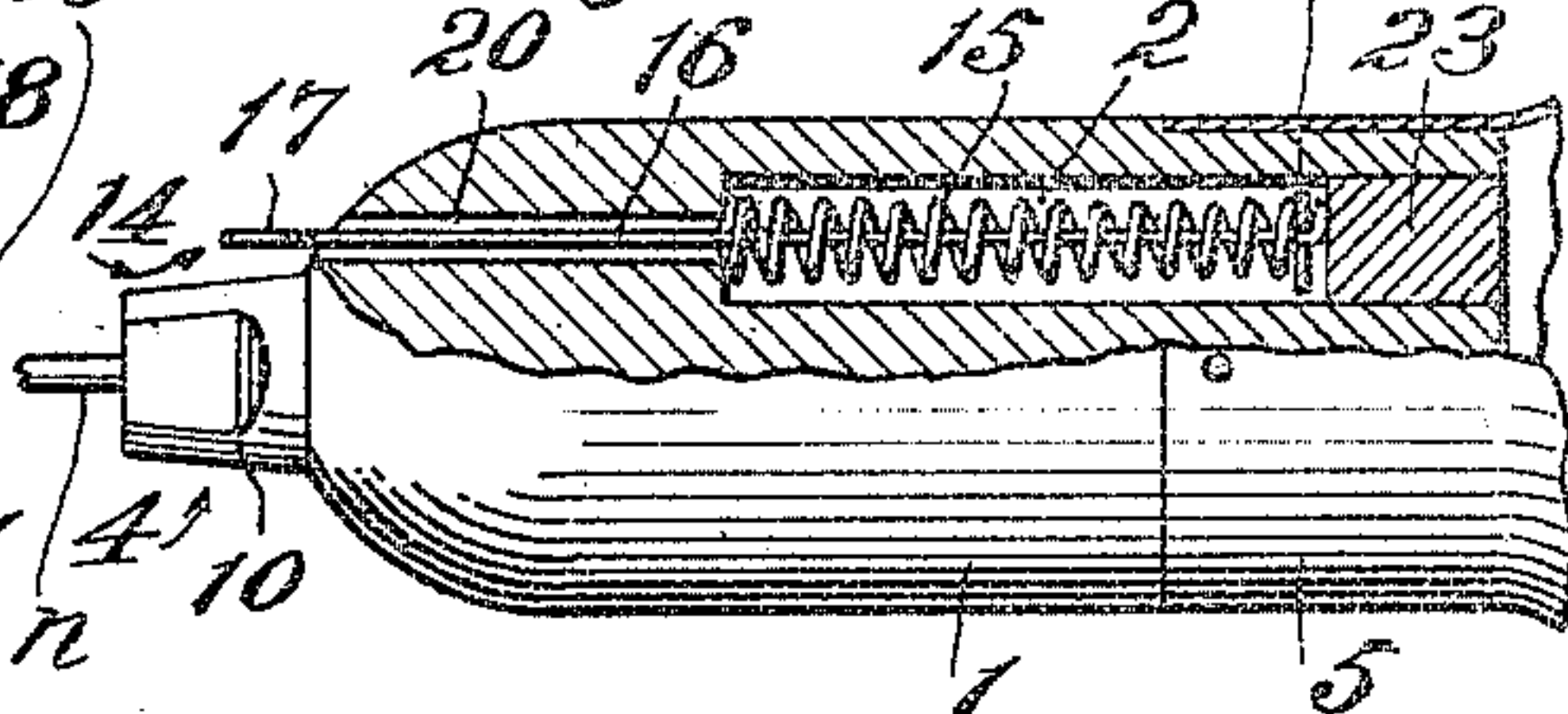


Fig. VI

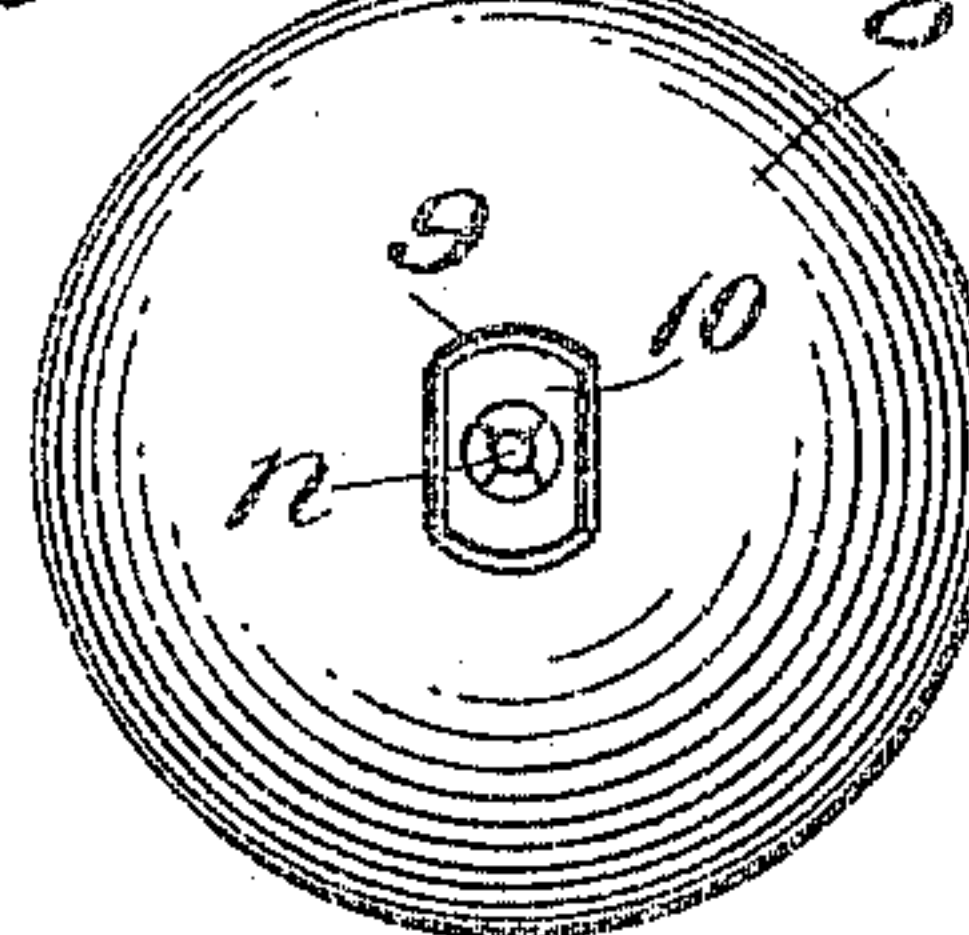
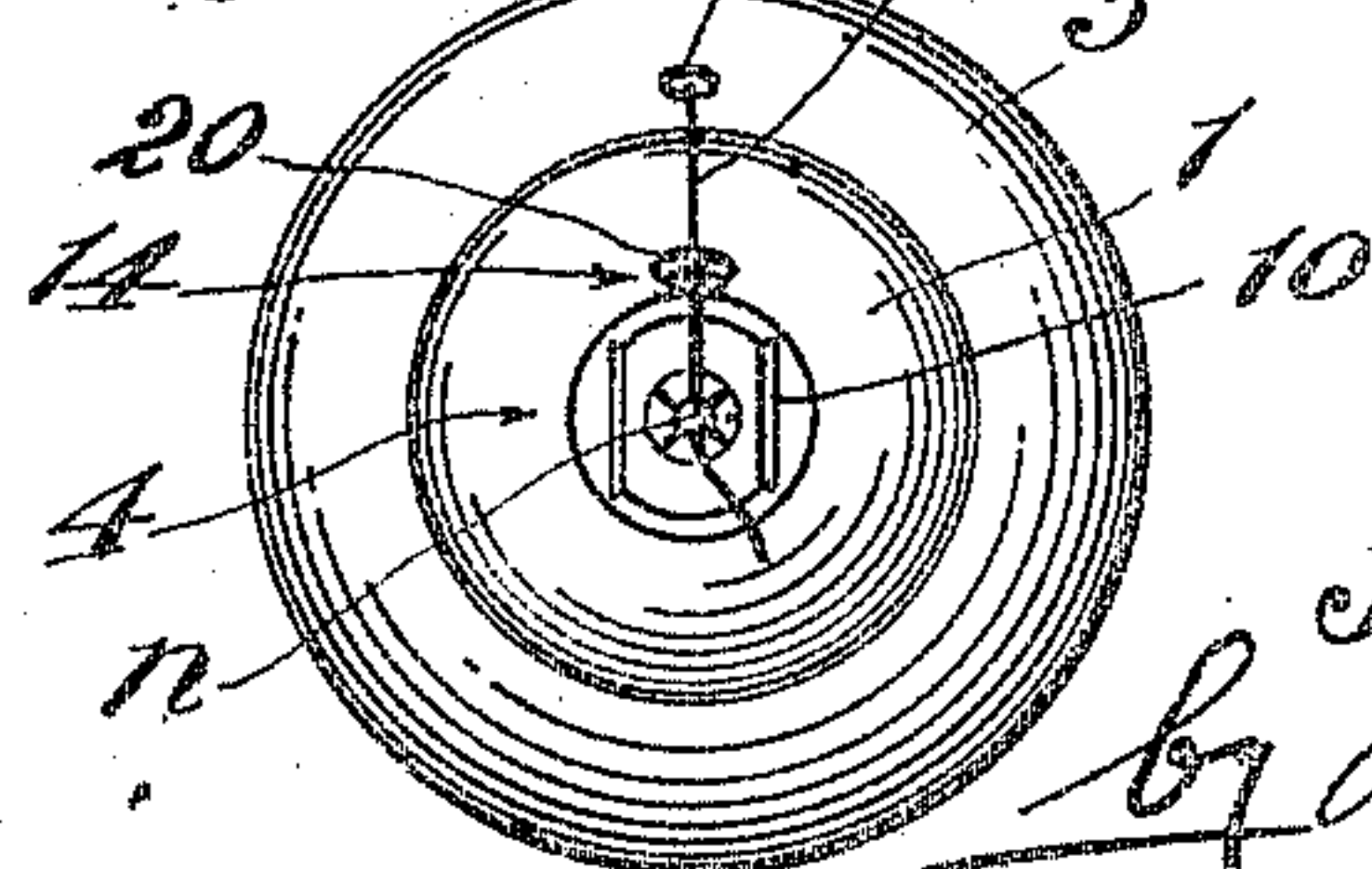


Fig. V



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by Townsend Bros
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UNITED STATES PATENT OFFICE.

JAMES L. DAVIDSON, OF LOS ANGELES, CALIFORNIA.

POCKET SEWING-AWL.

SPECIFICATION forming part of Letters Patent No. 755,628, dated March 29, 1904.

Application filed May 8, 1903. Serial No. 156,230. (No model.)

To all whom it may concern:

Be it known that I, JAMES L. DAVIDSON, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Pocket Sewing-Awl, of which the following is a specification.

An object of this invention is to provide a superior sewing-awl which can be conveniently carried in the pocket by persons liable to need the use of the same and which is simpler, cheaper to manufacture, more convenient to adjust and arrange for use, and also more convenient in its use than former sewing-awls.

Another object is to dispense with the necessity of any bobbin and to provide an instrument of this kind having a detachable part thereof which at times may serve as a wrench for the chuck of the awl and at other times forms a portion of a receptacle for the sewing-thread.

Another object is to provide an awl of this kind which will be easy to the hand and which has an improved tension device or thread-controller.

The accompanying drawings illustrate the invention.

Figure I is a view of my newly-invented sewing-awl as it may appear in use in stitching two pieces of leather. Fig. II is a sectional view of the same as it may appear when the needle has been withdrawn after making a stitch and ready for making another stitch. Fig. III is a view from the top of Fig. I. Fig. IV is an end view of the awl when the thread-receptacle is uncovered and the false bottom removed. Fig. V is a view of the other end of the awl. Fig. VI is a view of the front end of the awl with the cover of the thread-receptacle in place for use as a wrench for loosening the chuck to remove the needle. Fig. VII shows another form of the thread-controller.

1 is the stock of the awl, the same being provided with a number of chambers 2 3, which open toward the end which is farthest from the chuck 4.

5 is a ferrule on the end of the stock opposite the chuck, the same being hollow to form

a receptacle in which a ball of thread 6 may be carried.

7 is a member forming false bottom or shell in the ferrule and preferably projecting therefrom sufficiently to allow it to be readily removed to gain access to the open ends of the chambers 2 3 to remove or replace the needles, awls, or other instruments which may be carried in said receptacle. The shell or false bottom 7 serves to keep in place any object or article which may be put into the chambers.

8 is a detachable cover for the receptacle or end of the hollow ferrule, the same being constructed to form the rear end of the awl-handle and provided with a perforation 9, formed as a wrench-socket to fit the nut 10 of the chuck, so that by removing the cover 8 and applying it to the nut 10 of the chuck the same can be screwed or unscrewed for mounting or releasing the needle, awl, or other instrument applied in the chuck.

11 12 are perforations respectively in the shell or false bottom 7 and the ferrule 5 to allow the sewing-thread 13 to pass from the ball 6 along the stock 1 to the needle *n*.

14 is a thread-controller actuated by a spring 15 and located near the chuck of the awl, thus providing for a considerable length of thread along the stock of the awl-handle, so that the thread can be grasped by the hand and held tightly against the awl-handle with great convenience for the purpose of holding the thread tight in the operation of sewing and at the same time allowing the thread-controller to act freely as a take-up when the thread is slackened at the seam in the act of sewing.

The thread-controller is desirably formed of a wire 16, having an eye 17 at the awl end of the handle and being actuated by the spring 15, mounted in the chamber 2 of the stock of the handle. The thread-controller may be variously constructed.

In Fig. II the wire 16 within the chamber 2 is coiled into an extension-spring, the rear end of which is held by a bar or button 18, which is too large to enter the chamber. The eye portion 17 of the thread-controller will desirably be of a size which will allow it to be passed through a perforation 20 in the

front end of the handle. To assemble this form, the thread-controller will be inserted through the chamber 2 until the bar 18 stops on the stock 1 and the eye 17 is outside the perforation 20. Then the part 7 will be placed in the chamber of the ferrule, as shown in Fig. II, the thread will be put through the holes 11 12, and the ball of thread will be closed in the cover 8. The thread 13 will then be drawn along the stock and passed through and wound around the eye 17, thus to cause a friction between the thread and the eye, and then through the eye of the needle *n*, and thereupon the appliance is ready for sewing. The user can regulate the feed of the thread from the ball 6 by pressing the thread between his hand and the stock 1. As the needle comes through the leather 21 or other article being sewed it draws the thread in a loop 22, and the thread being wrapped around the eye 17 will not slip so readily through said eye, but that it will draw the thread-controller outwardly, as shown in Fig. I, against the tension of the spring 15. When the needle is withdrawn from the article 21 being sewed, the thread-controller 14 takes up the slack of the thread, as indicated in Fig. II. By this construction and arrangement the thread-controller does not interfere with the hand. The hand can always have a firm hold on the stock of the awl and can also control the feed of the thread through the needle by pressing the thread against the stock.

To loosen the chuck, the cover 8 may be removed and brought over the nut of the chuck, as indicated in Fig. VI, thereupon by causing a relative rotation between the stock and wrench-cover 8 the nut of the chuck will be turned to loosen or tighten the chuck, as the case may be.

In the form shown in Fig. VII the spring 15 is a compression-spring, and the button or bar 28 compresses the same, the wire 16 being fastened to said button. 23 in this view is a plug closing the inner end of the chamber 2.

The cover 8 may be fastened on the ferrule 5 by any suitable means, as by an indentation 24 playing in a bayonet-groove 25. The ferrule 5 may be fastened to the stock in any suitable manner, as by a brad 26.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. A sewing-awl having a receptacle for thread, and an outlet for the thread at one end

of the awl-handle, a thread-controller constructed to hold the thread at the other end of the handle, thus allowing the thread to be led along the outside of the handle where the same can be readily grasped by the hand rearward of the thread-controller.

2. A sewing-awl provided with a thread-controller at the front end of the handle, and means for supplying thread from the rear of the handle.

3. A sewing-awl having in its handle, a forwardly and rearwardly opening chamber for a thread-controller and also rearwardly-opening chambers to hold needles and other instruments, a thread-receptacle rearward of such chambers, a member forming a bottom for such receptacle, and a cover for the thread-receptacle forming the end of the handle.

4. A sewing-awl having a chambered handle, the chambers of which open rearwardly, a passage opening forwardly from one of the chambers, a spring thread-controller, a portion of which extends through said passage to receive the thread, a thread-receptacle at the rear of the handle, and a cover for said receptacle forming the end of the handle.

5. In a sewing-awl, a longitudinally-chambered stock having an opening at the front end communicating with a chamber of the stock, a chuck at the front end of the stock, a cover at the rear end of the stock, the same being furnished with a perforation to fit the nut of the chuck.

6. A sewing-awl furnished at one end with a chuck, and at the other end with a detachable perforated end piece, the perforation of which is adapted to fit the nut of the chuck to turn the same.

7. A sewing-awl handle provided with a chamber, a passage leading forward from the chamber, a spring in the chamber, and a member normally retracted by the spring extending through said passage and provided with an eye at its outer end to receive a thread.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, at Los Angeles, in the county of Los Angeles and State of California, this 2d day of May, 1903.

J. L. DAVIDSON.

Witnesses:

JAMES R. TOWNSEND,
JULIA TOWNSEND.