

(No Model.)

S. F. O'REILLY.
TATTOOING MACHINE.

No. 464,801.

Patented Dec. 8, 1891.

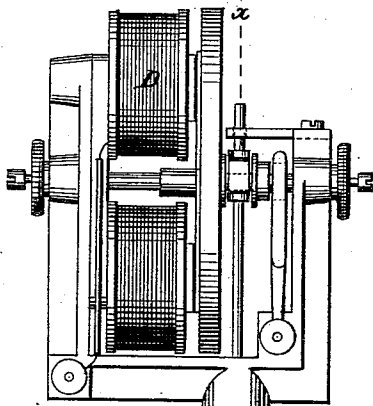


Fig. 1.

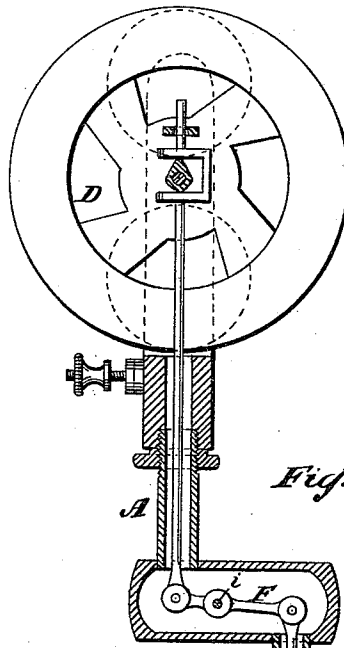
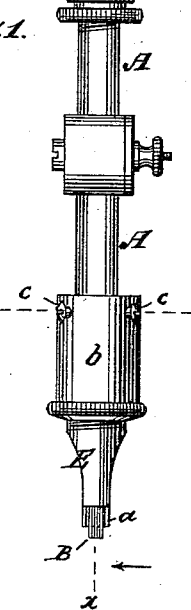


Fig. 2.

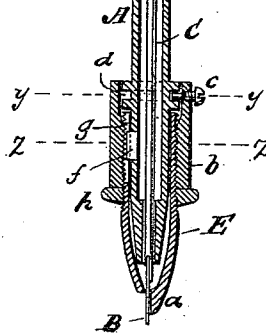


Fig. 3.

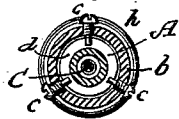
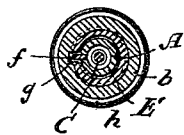


Fig. 4.



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TATTOOING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 464,801, dated December 8, 1891.

Application filed July 16, 1891. Serial No. 399,731. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL F. O'REILLY, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Tattooing-Machines, of which the following is a specification.

My invention relates to a tattooing-machine, the peculiar and novel construction of which is pointed out in the following specification and claims, and illustrated in the accompanying drawings, in which—

Figure 1 represents a front elevation. Fig. 2 is a longitudinal section in the plane $x x$, Fig. 1. Fig. 3 is a transverse section in the plane $y y$, Fig. 2. Fig. 4 is a similar section in the plane $z z$, Fig. 2.

In the drawings, the letter A designates the handle of my tattooing-machine, said handle being made hollow, so that it is adapted to form the guide for the perforating-instrument B.

In the example shown in the drawings this instrument is composed of five needles; but it may consist only of a single needle, or the number of needles which constitute the perforating-instrument may be changed to suit circumstances. The perforating-instrument B is secured to a rod C, which is geared with an electromotor D, mounted on the tubular handle, the devices which serve to gear said motor with the rod C being made to pass through or being inclosed in the tubular handle, so that in grasping the handle the movement of the perforating-instrument is not disturbed.

With the handle A is combined an ink-reservoir E, through which the perforating-instrument passes, and if a reciprocating motion is imparted to said perforating-instrument its point or points are supplied with ink, which enters the perforations made in the skin by said point or points.

The ink-reservoir is provided with an extension a , which forms a guide whereby the operator is enabled to move the instrument so as to produce the required designs, and this extension also forms a gage to regulate the depth to which the point or points of the

perforating-instrument pass into the skin. For the purpose of adjusting the gage a , I use a tube b , which is provided with an internal screw-thread and which swivels freely round on the handle A, being held in place by screws c , which engage a circular groove d in the handle. The tube b engages an external screw-thread on the ink-reservoir E, and this ink-reservoir is prevented from turning round on the handle by a feather-key f , which engages a groove or slot g in the ink-reservoir. By turning the tube b the ink-reservoir E is moved in or out and the gage a can be adjusted in the required position. A thumb-nut h serves to lock the tube b in the required position. The rod C is geared with the electromotor by means of a lever F, which has its fulcrum on a stud i , so as to produce a comparatively large stroke of the perforating-instrument.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a tubular handle, of a tubular ink-reservoir movable along the lower end of the handle and provided with a gage, means for moving the ink-reservoir on the handle to adjust the gage, and a perforating-instrument reciprocating through the handle and ink-reservoir, substantially as described.

2. The combination, with a tubular handle, of a tubular screw-threaded ink-reservoir surrounding and movable along the lower end of the handle and having a gage, a screw-threaded tube carried by the handle and engaged with the ink-reservoir to adjust it longitudinally, and a needle reciprocating through the handle and ink-reservoir, substantially as described.

3. The combination, with a tubular handle, of a tubular screw-threaded ink-reservoir having a gage and movable longitudinally along but held against rotation on the handle, a screw-threaded tube swiveled to the handle and engaged with the ink-reservoir to adjust it longitudinally, and a needle reciprocating through the handle and ink-reservoir, substantially as described.

4. The combination, with a tubular handle,

of a tubular ink-reservoir movable along the
lower end of the handle and provided with a
gage, means for moving the ink-reservoir to
adjust the gage, a perforating-instrument re-
ciprocating through the handle and ink-res-
ervoir, and an electromotor mounted on the
5 tubular handle and geared with the perfo-
rating-instrument, substantially as described.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing ro
witnesses.

SAMUEL F. O'REILLY.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.