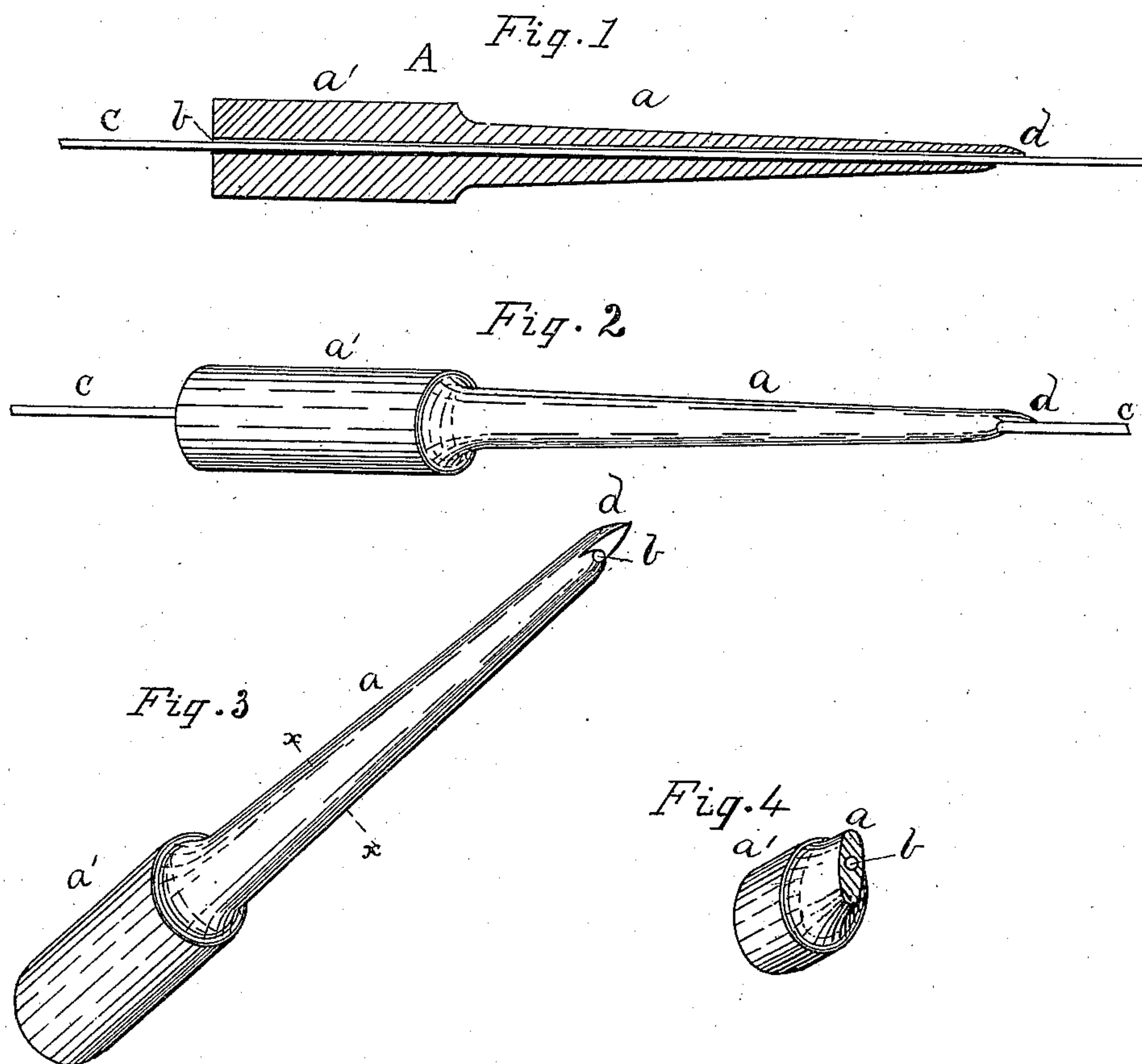


J. WAGNER, Jr., & L. WAGNER.
Needle for Sewing-Machines.

No. 227,192.

Patented May 4, 1880.



WITNESSES

James L. Curand.

J. J. McCarthy.

INVENTOR

Jacob Wagner Jr. and Louis Wagner.

By Coyne and Elliott

Attorneys

UNITED STATES PATENT OFFICE.

JACOB WAGNER, JR., AND LOUIS WAGNER, OF CHICAGO, ILL., ASSIGNORS,
BY MESNE ASSIGNMENT, TO WAGNER WIRE SEWING MACHINE COM-
PANY, OF SAME PLACE.

NEEDLE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 227,192, dated May 4, 1880.

Application filed January 7, 1880.

To all whom it may concern:

Be it known that we, JACOB WAGNER, Jr., and LOUIS WAGNER, both of Chicago, in the county of Cook and State of Illinois, have in-
5 vented certain new and useful Improvements in Needles for Sewing-Machines, of which the following is a specification.

Our invention relates to needles for ma-
chines for sewing with wire, in contradistinc-
10 tion to those for sewing with fibrous thread or cord, said needles being particularly adapted for use in the wire-sewing machine which is fully described in our application for Letters Patent filed February 25, 1879.

15 In stitching with wire it is of the utmost importance, by reason of its stiff unyielding nature, that it should be conducted through the material to be sewed without crimping or twisting; and to this end the object of our in-
20 vention is to produce a needle which will conduct wire in a direct line from a reel or other source from whence it is drawn to and through the material to be sewed, and of a shape to readily perforate said material and protect the
25 free end of the wire from being bent while making such perforations.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a vertical longitudinal section
30 through the center of our needle; Fig. 2, a side elevation; Fig. 3, a perspective; and Fig. 4, a vertical cross-section on the line *xx* of Fig. 3, showing the oval shape of the body of the needle.

35 A represents a needle provided with an oval-shaped body, *a*, and an enlarged shank, *a'*, by which it is secured to the needle-bar of a sew-

ing-machine. Through the longitudinal cen-
ter or axis and from end to end of the needle
thus formed is bored or otherwise made a 40
perforation, *b*, which serves as a guide and
conductor for the wire *c* toward the point *d*,
so that it may be continuously fed to and car-
ried through the material to be sewed. The
point *d* is formed at one side of said central 45
perforation, *b*, and projects in front of the
point of termination of said perforation, so
that the wire that may protrude from the same
will be shielded when said point is perforating
the material to be stitched. 50

Although we prefer to have the body of our
needle oval-shaped and provided with the pro-
jecting point *d*, we do not limit ourselves to
this specific construction, for the body may be
round and the perforation terminate in the 55
point of the needle without departing from
our invention, the essential feature of which is
a needle for sewing-machines through which
a wire may be fed to the material in a direct
line. 60

Having thus described our invention, what
we claim, and desire to secure by Letters Pat-
ent, is—

The needle herein described, provided with
the central longitudinal perforation or wire- 65
passage, *b*, and the point *d*, formed at one side
of said central longitudinal perforation, sub-
stantially as and for the purpose specified.

JACOB WAGNER, JR.
LOUIS WAGNER.

Witnesses:

CHARLES ULBRICHT,
CHARLES WAGNER.