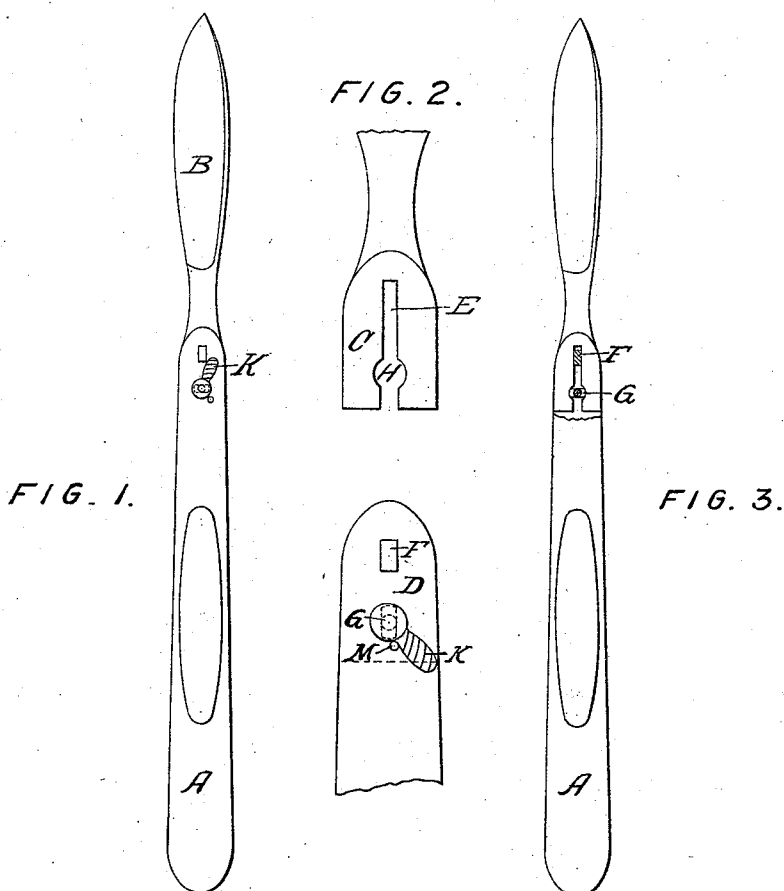


(No Model.)

F. A. STOHLMANN.
Tool Handle.

No. 236,105.

Patented Dec. 28, 1880.



WITNESSES:
Eugene N. Eliot,
Thos. A. Connery.

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UNITED STATES PATENT OFFICE.

FREDERICK A. STOHLMANN, OF BROOKLYN, NEW YORK.

TOOL-HANDLE.

SPECIFICATION forming part of Letters Patent No. 236,105, dated December 28, 1880.

Application filed April 8, 1880. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK A. STOHLMANN, of the city of Brooklyn, county of Kings, and State of New York, have invented new and useful Improvements in Tool-Handles for Surgical Instruments, &c., of which the following is a specification.

This invention pertains to that class of devices in which many forms of tools, as cutting-blades, may be used with the same handle; and the invention consists in a peculiar combination of the blade with the handle by means of a supporting-rivet and reciprocating ellipse working in a slot in the shank of the blade in such a manner that by partially turning the ellipse the blade may be removed from the handle and another blade inserted and fastened therein, as will hereinafter appear.

In the drawings, Figure 1 is a plan of the instrument complete. Fig. 2 is an enlarged view of the connecting parts, but separated. Fig. 3 shows the parts connected and their relative position to each when locked together.

At A is represented the handle of the instrument, and B is the blade, in one form of which there are or may be many of various forms belonging to the same set and to be used with the same handle. The shank or part of the blade where it is attached to the handle is formed with a broad surface, as at C, to be inserted in a corresponding kerf in the end of the handle, as at D, and there is a longitudinal slot, as at E, formed in the shank near its center, to permit the passage of a flattened rivet or pin, as at F, which, as the shank is shoved into the end of the handle, serves as a point of support in and near the closed end of the slot, as represented at Fig. 3. Another supporting point or pivot is provided at G, to work in a hole or enlarged place in the slot, as at H, and said pivot is slightly flattened on its opposite sides to permit it to enter the slot in the shank, and is then turned when it is opposite the enlarged portion of the slot, as at H, and thereby fills said space and serves

as a locking device to hold the shank from being drawn endwise from the handle which supports the pivots or pins that lock the two parts together. Said locking-pivot is provided with a small lever, as at K, which is vibrated to and fro to turn the pivot into position to receive the slotted shank and to lock it to the handle when properly inserted. Said lever may be turned to touch upon a pin or stud, as at M, in the handle, where the parts are to be combined, and then it is moved in the opposite direction to keep the longer axis of the locking-pivot transversely to the slot in the shank, and thereby fix and hold the shank firmly in the handle.

It is evident that various kinds of tools may be so combined with a handle and in a very firm and durable manner, as the pins or rivets have broad bearing-surfaces to fit in the slot, and thereby give large bearing and wearing surfaces.

I therefore claim—

1. As a new manufacture, a handle provided with a kerf, a fixed supporting rivet or pin crossing the kerf, and an ellipsoidal pivot, also crossing the kerf, for locking a blade or tool to the handle, as described.

2. The combination of a blade or tool with a handle by means of a slotted shank, a kerf in the handle, a fixed rivet, and a flattened pivot, both passing through the slot in the shank, substantially as set forth.

3. The combination of the slotted shank, the kerf in the handle, or its equivalent, the flattened fixed rivet, and the flattened pivot passing through the slot in the shank, having a lever to revolve the same, substantially as described.

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

FREDERICK A. STOHLMANN. [L. S.]

Witnesses:

EUGENE N. ELIOT,
THOS. A. CONNERY.