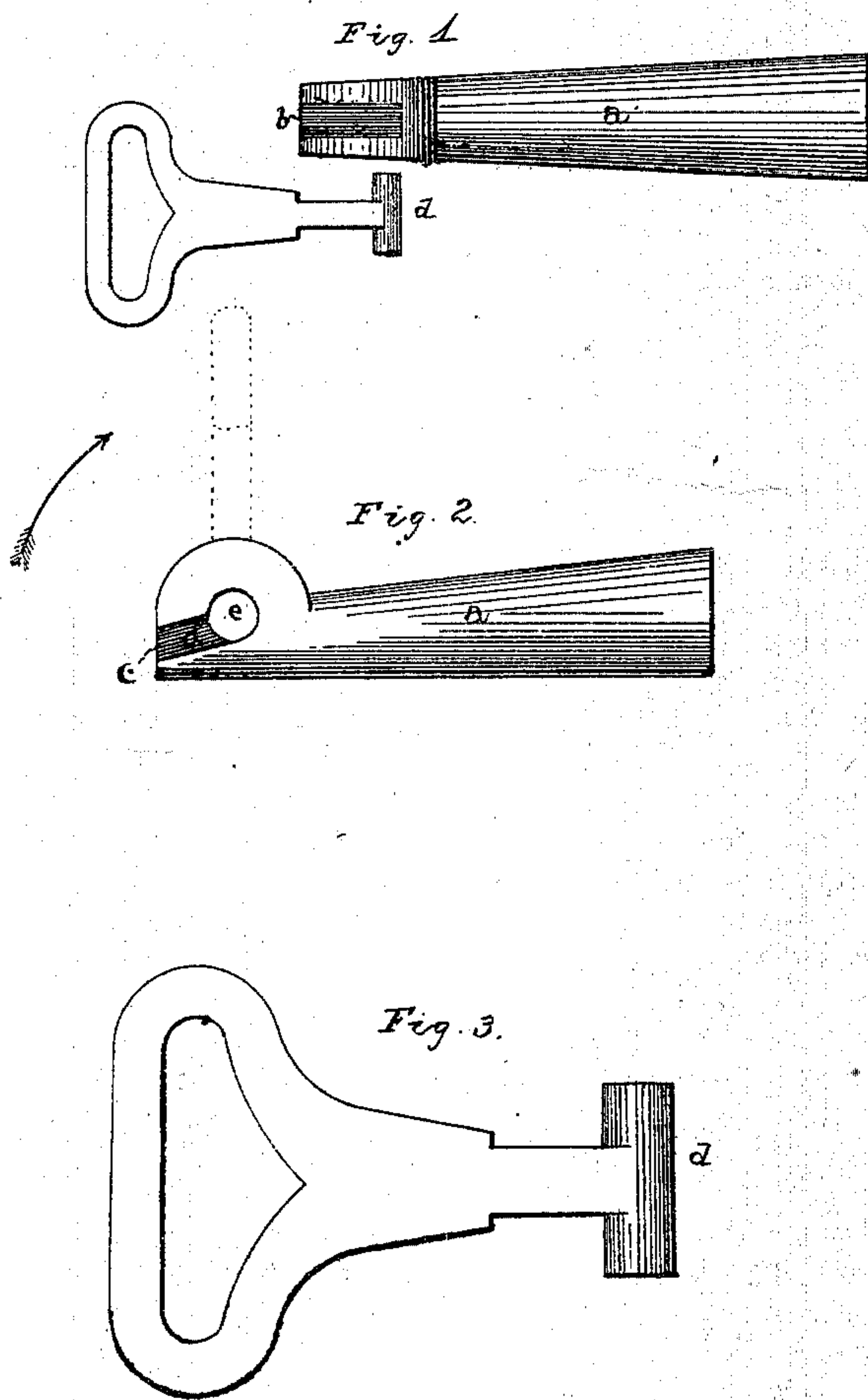


F. M. SNIVELY.
Trace-Fastenings.

No. 139,432.

Patented May 27, 1873.



WITNESSES.
H. H. Duhamel
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UNITED STATES PATENT OFFICE.

FRANCIS M. SNIVELY, OF BELLAIRE, OHIO.

IMPROVEMENT IN TRACE-FASTENINGS.

Specification forming part of Letters Patent No. **139,432**, dated May 27, 1873; application filed February 26, 1873.

To all whom it may concern:

Be it known that I, FRANCIS M. SNIVELY, of Bellaire, county of Belmont and State of Ohio, have invented certain new and useful Improvements in Trace-Fastenings, of which the following is a specification:

The nature of my invention relates to the construction of a trace-fastening, which shall be cheap, simple, and efficient in operation, and consists in forming two slots or openings, running at right angles, in the end of the socket, so as to receive the cross-head of the trace and hold it securely in place, as will hereafter be more fully set forth.

Figure 1 represents a plan view of my device, the two parts being separated ready to be united. Fig. 2 is a side view of the socket. Fig. 3 shows the form of the cross-head.

A represents a metallic socket, which is to be secured to the end of the whiffletree, and which has the slot *b* cut in its top, extending slightly backward. Extending at right angles to this slot in the top is a second one, *c*, from the side, as shown in Fig. 2, which meets the other, and the two form the opening for receiving and holding the cross-head *d*, which

is attached to the trace. The cross-head is slipped into the slot *c* until it reaches the one *b*, when it is swung around, as shown by the arrow, into the position indicated by dotted lines, the lower part of the cross-head passing down into the hole *e*, which extends into the socket.

This forms a very simple and cheap fastening for traces, and one which can be relied upon at all times, as it can never become accidentally unfastened.

I make no claim to the mode of fastening by means of a socket and cross-head, for I am aware that it is not new; but

What I claim as my invention is—

The socket *a* for the end of the whiffletree, having the two slots *b c* running at right angles to each other, in combination with the cross-head *d*, substantially as specified.

In testimony that I claim the foregoing as my invention I hereunto affix my signature this 10th day of February, 1873.

FRANCIS M. SNIVELY.

Witnesses:

M. N. MERCER,

CHAS. C. CRATTY.