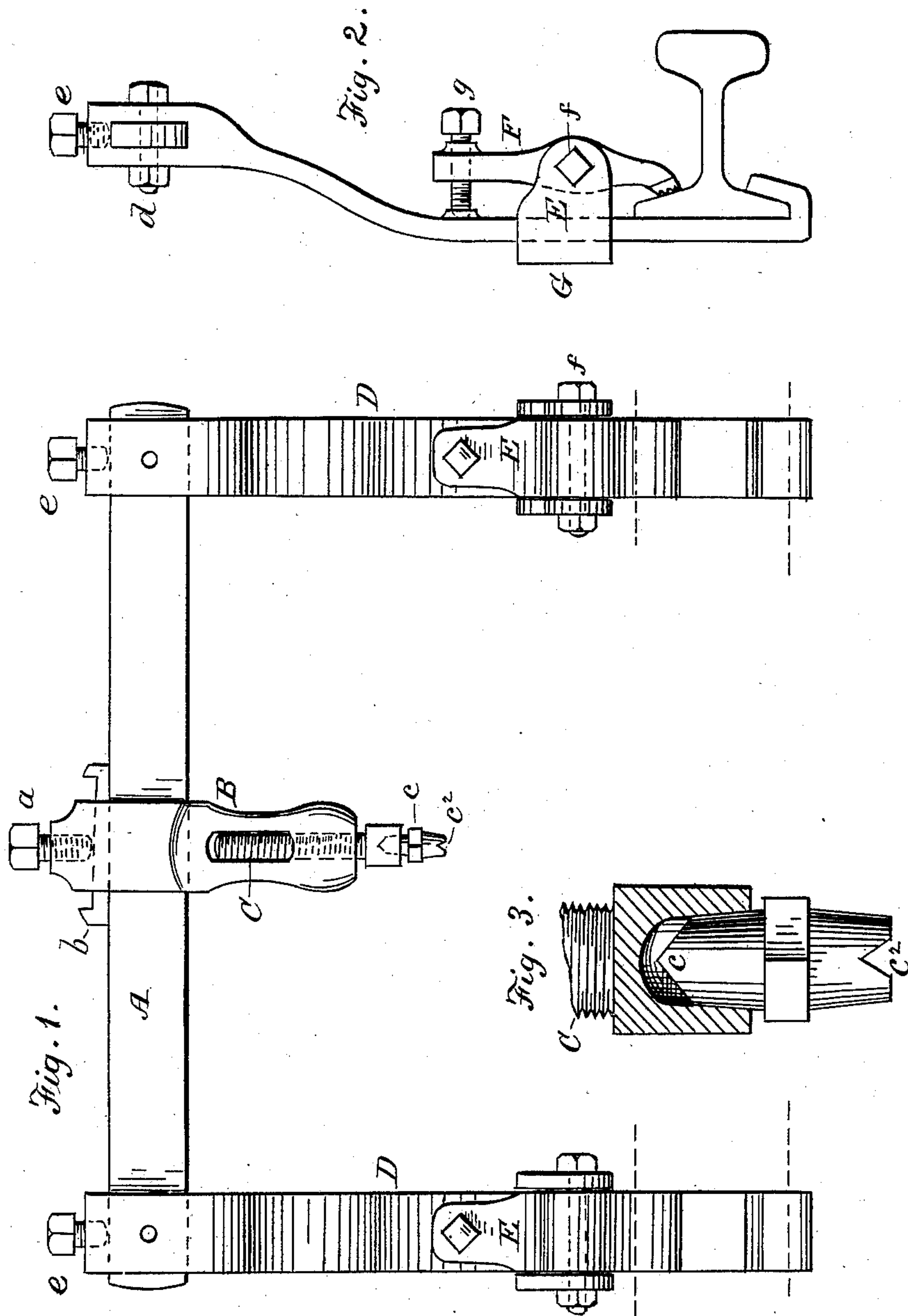


(No Model.)

A. LOEHNER.
RAILWAY TRACK DRILL.

No. 336,487.

Patented Feb. 16, 1886.



Witnesses
G. B. Towles
W. T. Purris

Inventor :
August Loehner
By H. A. Daniels
Atty.

UNITED STATES PATENT OFFICE.

AUGUST LOEHNER, OF ST. LOUIS, MISSOURI.

RAILWAY-TRACK DRILL.

SPECIFICATION forming part of Letters Patent No. 336,487, dated February 16, 1886.

Application filed December 3, 1885. Serial No. 184,632. (No model.)

To all whom it may concern:

Be it known that I, AUGUST LOEHNER, a citizen of the United States, residing at St. Louis, in the county of St. Louis and State of Missouri, have invented certain new and useful Improvements in Railway-Track Drills; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to railway-track drills; and it consists in certain improvements in the construction of the same, as hereinafter described and claimed.

In the accompanying drawings, Figure 1 represents a plan view of a track-drill provided with my improvement. Fig. 2 is a side view of the same. Fig. 3 is a view of the drill-holding device detached.

A designates the top bar, on which is placed the screw-housing B, which may be moved along the bar in either direction, and may be set opposite to any point where a hole is to be drilled in the track-rail, to which the device is applied and secured. The housing B is secured fast to the bar by means of a screw, *a*, which bears against a key, *b*, which slides along the bar with the housing and prevents the screw from indenting the bar, so the latter is kept smooth. A screw, C, is placed within and carried by the housing, the head of the screw being downward, and having a socket in which is placed a double cone, *c*, one having an angular point, *c'*, and the other an angular notch or recess, *c''*, so that it may connect with any drill, either pointed or grooved.

D indicates the hook-arms to connect with the rail to be bored, the said arms being secured to bar A by means of bolts *d*. The screws *e* are for the purpose of securing the arms D to bar A at any points desired, it being necessary sometimes to bring the arms near each other, as when drilling a hole near the end of one rail when no rail has been laid adjoining it.

E designates a clamping device, one being placed on each hook-arm to secure it firmly to the rail, said clamp being in the form of a lever or pivoted dog, F, and a seat, G, to which it is held by bolt *f*. A screw, *g*, passes through the lever F, and being driven against arm D closes the toothed dog tightly against the base of the rail and holds the frame firmly thereto.

I claim—

1. In combination with bar A of a drill-frame, a housing, B, and an inverted screw entering said housing and provided with a recess to receive a drilling-tool, substantially as and for the purpose described.

2. In combination with bar A and a tool-holding device sliding thereon, a conical tool-holding device having point *c'* and notch *c''*, as set forth and described.

3. In combination with the hook-arms of a track-drill frame, a clamping device provided with a pivoted dog, F, and adjusting-screw *g*, substantially as set forth.

In testimony whereof I have affixed my signature in presence of two witnesses.

AUGUST LOEHNER.

Witnesses:

EDW. B. ROTH,
JAS. TIERNEY.