

No. 767,278.

PATENTED AUG. 9, 1904.

H. F. HUNTINGTON.
ROCK DRILL GUIDE.

APPLICATION FILED SEPT. 17, 1903.

NO MODEL.

Fig. 1.

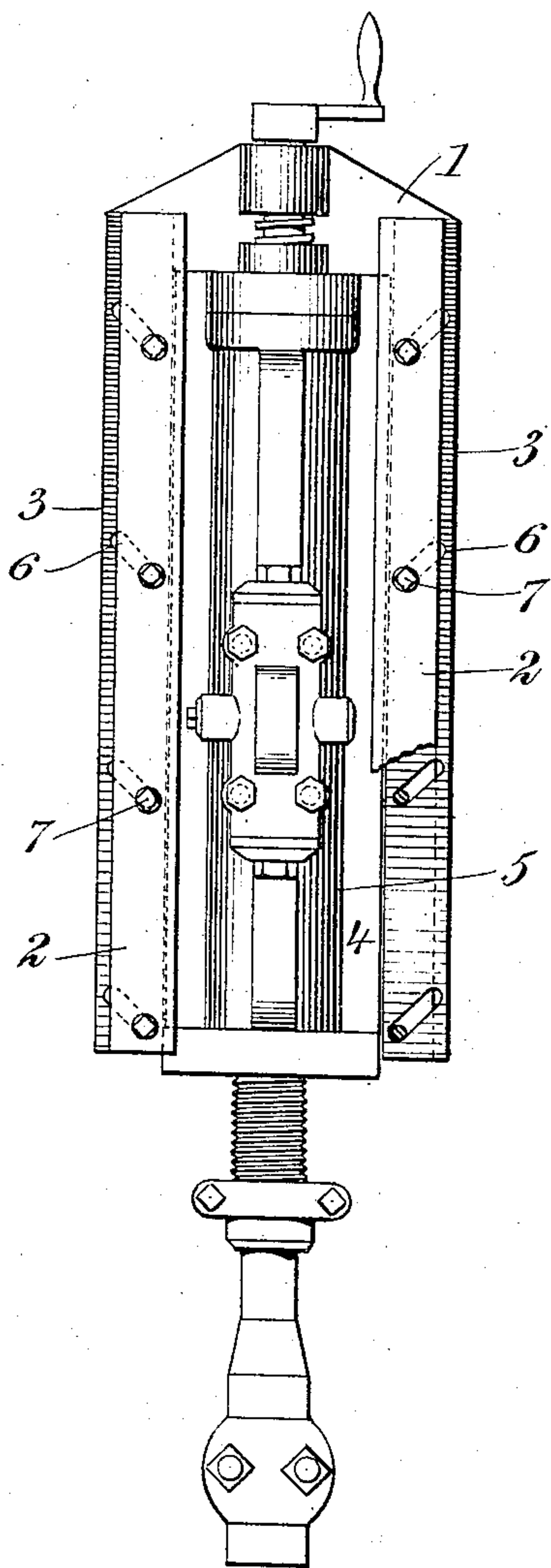


Fig. 2.

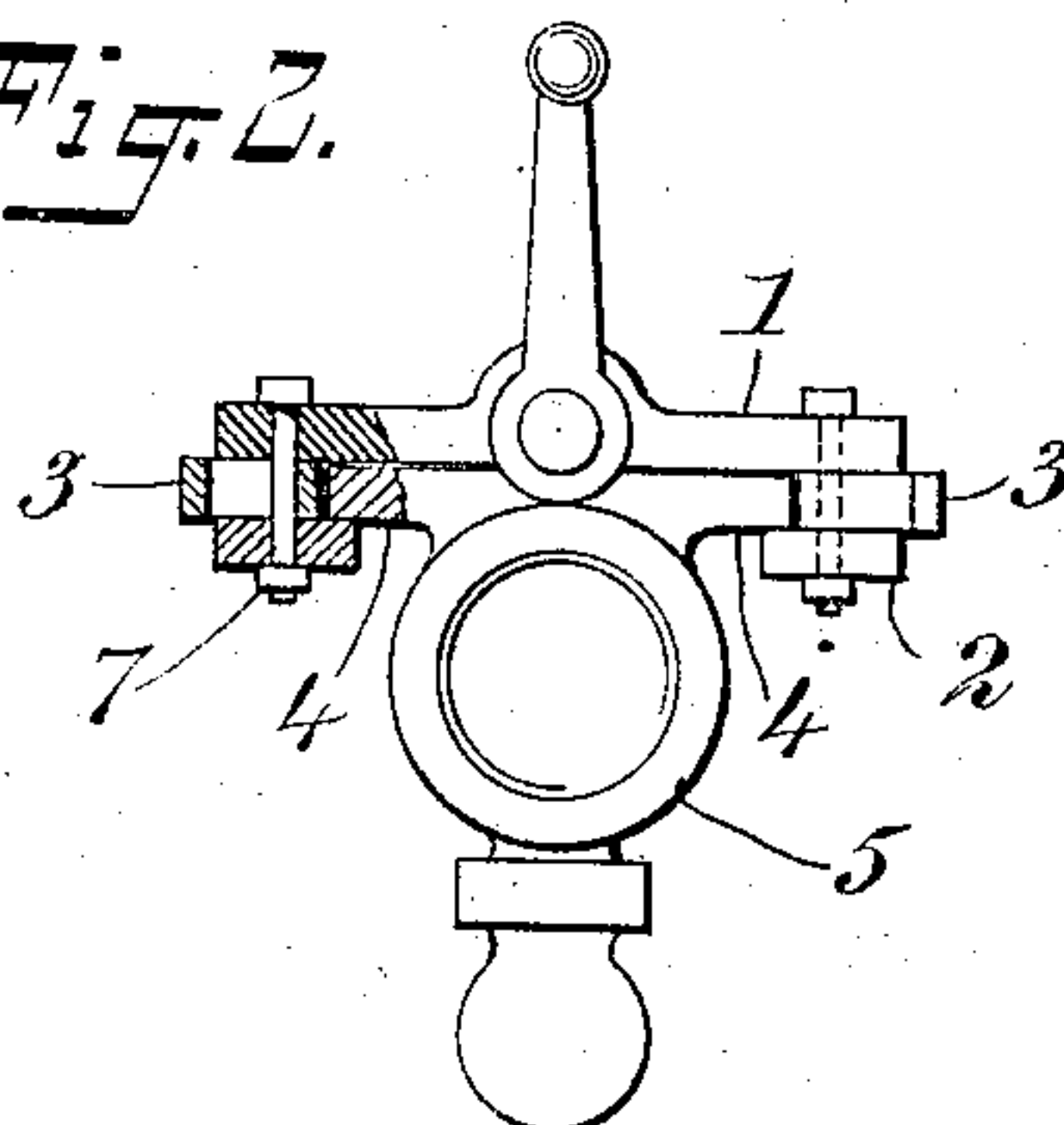
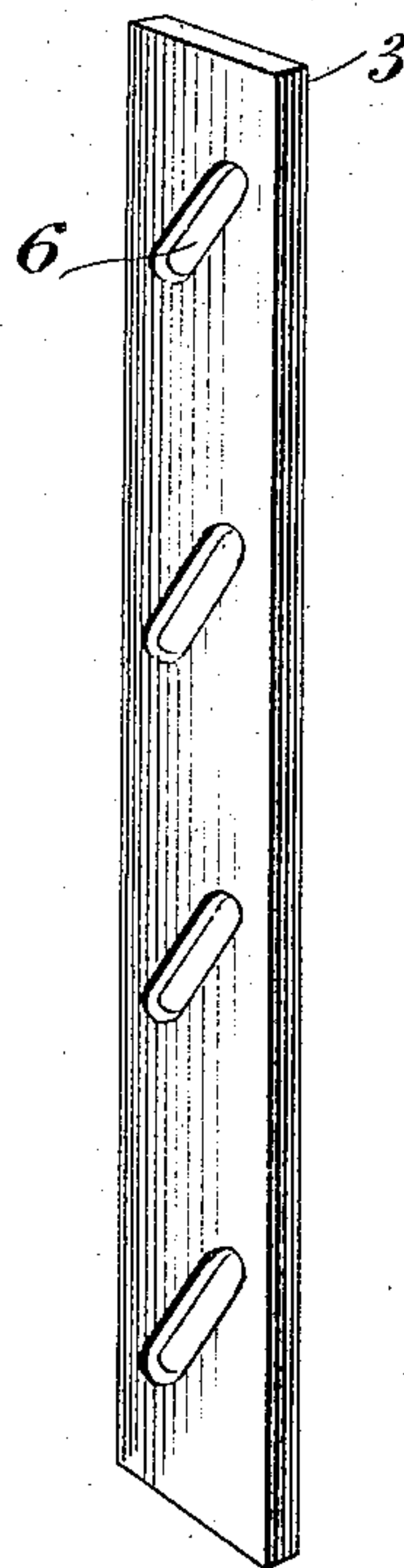


Fig. 3.



WITNESSES:

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HUBERT FREDRICK HUNTINGTON, OF SALMON, IDAHO.

ROCK-DRILL GUIDE.

SPECIFICATION forming part of Letters Patent No. 767,278, dated August 9, 1904.

Application filed September 17, 1903. Serial No. 173,542. (No model.)

To all whom it may concern:

Be it known that I, HUBERT FREDRICK HUNTINGTON, a citizen of the United States, and a resident of Salmon, in the county of Lemhi and State of Idaho, have invented a new and Improved Rock-Drill Guide, of which the following is a full, clear, and exact description.

This invention relates to improvements in guides for rock-drills, an object being to provide a guide with a simple means for adjusting to compensate for wear and to prevent lateral play of the drill in the guide, thus causing the drill to work true and prolong the usefulness of the guide, which ordinarily wears out rapidly.

I will describe a rock-drill guide embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a front view of a rock-drill guide embodying my invention. Fig. 2 is a top view thereof, partly in section; and Fig. 3 is a perspective view of one of the adjustable keys.

The guide comprises the back plate or frame 1, the front locking-plates 2, and adjustable edge plates or keys 3. These plates 3 are arranged between the back plate or frame 1 and the locking-plates 2 and engage against the edges of lateral flanges 4 on the drill-cylinder 5, and of course these flanges engage between the plates 1 and 2, as clearly indicated in Fig. 2. The plates or keys 3 are

provided with diagonally-disposed slots 6. As here shown, these slots are disposed downwardly and inwardly, and bolts 7 pass through the slots and through the plates 1 and 2. By this arrangement it is obvious that by loosening the nuts of the bolts 7 the edge plates or keys will be forced lengthwise, which will give them also an inward movement to engage with the edges of the flanges 4, thus taking up or compensating for wear of the parts.

My invention may be attached to most of the forms of guides by merely planing off the side portions generally formed integral with the back plate or frame.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A rock-drill guide comprising a back frame, front plates, edge plates arranged between the back frame and front plates and having diagonally-disposed slots, and clamping-bolts passing through said slots and through the back frame and front plates.

2. A rock-drill guide comprising a back frame, front plates, edge plates arranged between the back frame and front plates and having slots inclined inward and toward the drilling end of the guide, and bolts passing through said slots and through the back frame and front plates.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HUBERT FREDRICK HUNTINGTON.

Witnesses:

C. C. DIETRICH,
A. GRUSE.