E. B. Lowman.

Railroad Switch.

No. 21,971. Patented Nov. 2, 1858.

Fig. 1.

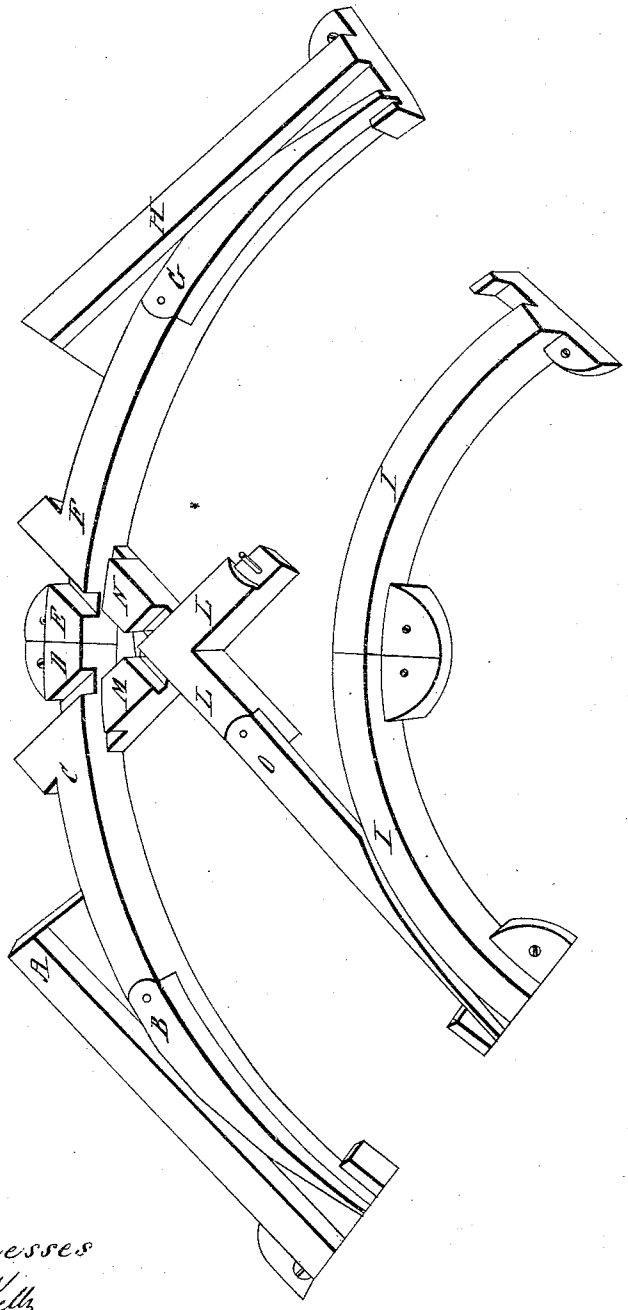


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

ELIAS B. LOWMAN, OF BELLAIRE, OHIO.

MINER'S-RAILROAD TURN OR CIRCULAR SWITCH.

Specification of Letters Patent No. 21,971, dated November 2, 1858.

To all whom it may concern:

Be it known that I, ELIAS B. LOWMAN, of the town of Bellaire, in the county of Belmont, in the State of Ohio, have invented a new and useful Miner's-Railroad Turn or Circular Switch, as represented in diagram Figure 1; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in a circular section of a railroad track, combined with two straight sections, crossing each other at right angles, at or near the center of the outside rail of the circular section in such a manner as not to obstruct the free passage of cars along the main straight track leading into the mines. This combination of straight and circular sections, as seen in Fig. 1, may be placed in the main track leading into the mines, at any point that may be desired, and in such manner as to make a short and easy turn into the rooms, either to the right hand, or to the left. In order to make this connection, one section of the straight track must be taken up, and the circular section marked Fig. 1 placed in its stead, in such manner as to suit the side you wish to work into. If you wish to turn into the rooms on the right hand side you must place that end of the circular section marked A and I in Fig. 1 to the end of the rails of the main track, when by closing switch B and opening switch O, the cars will make the turn on the circular track, passing through the crossings, as seen at letters C D E and F in Fig. 1. But if you wish to turn to the left hand side, you must reverse the section marked Fig. 1, placing that marked H and I to the end of the main stem rails, when by closing switch G and attaching switch K, Fig. 2, to the straight track at letter L, and leaving it open, the cars will make the turn through the crossings at the letters F, D, E and C in Fig. 1, thus entering the rooms at right angles with the main track or entry.

What I claim as my invention, and desire to secure by Letters Patent, is—

The arrangement of the crossings as seen at letters C, D, E, F, M, N and L in Fig. 1, together with its adaptation to the working of mines on either side of the entry, by reversing its position on the main stem.

ELIAS B. LOWMAN.

Witnesses:
WM. J. KELLY,
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