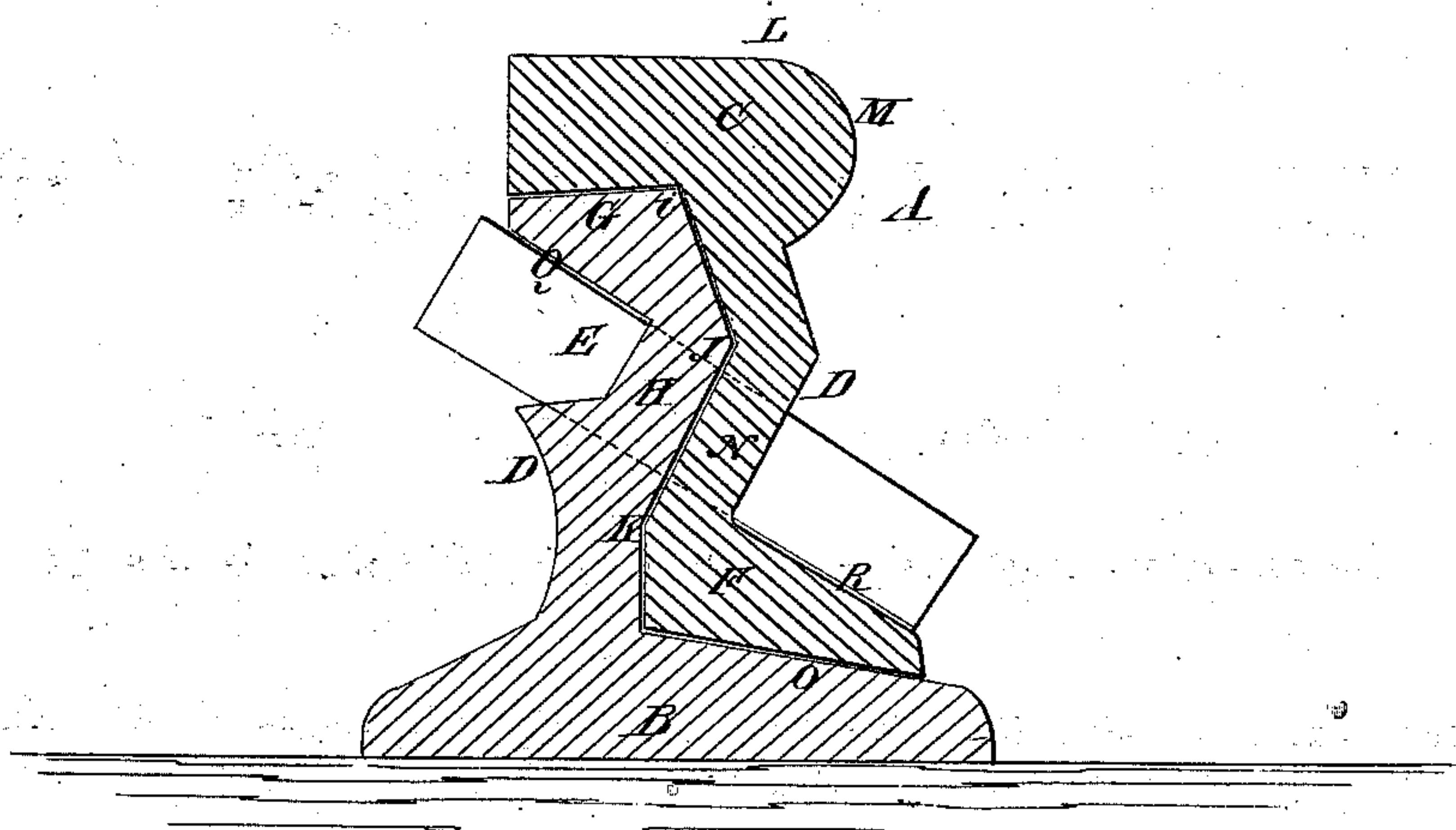


I. THOMAS.  
Compound Railroad-Rails.

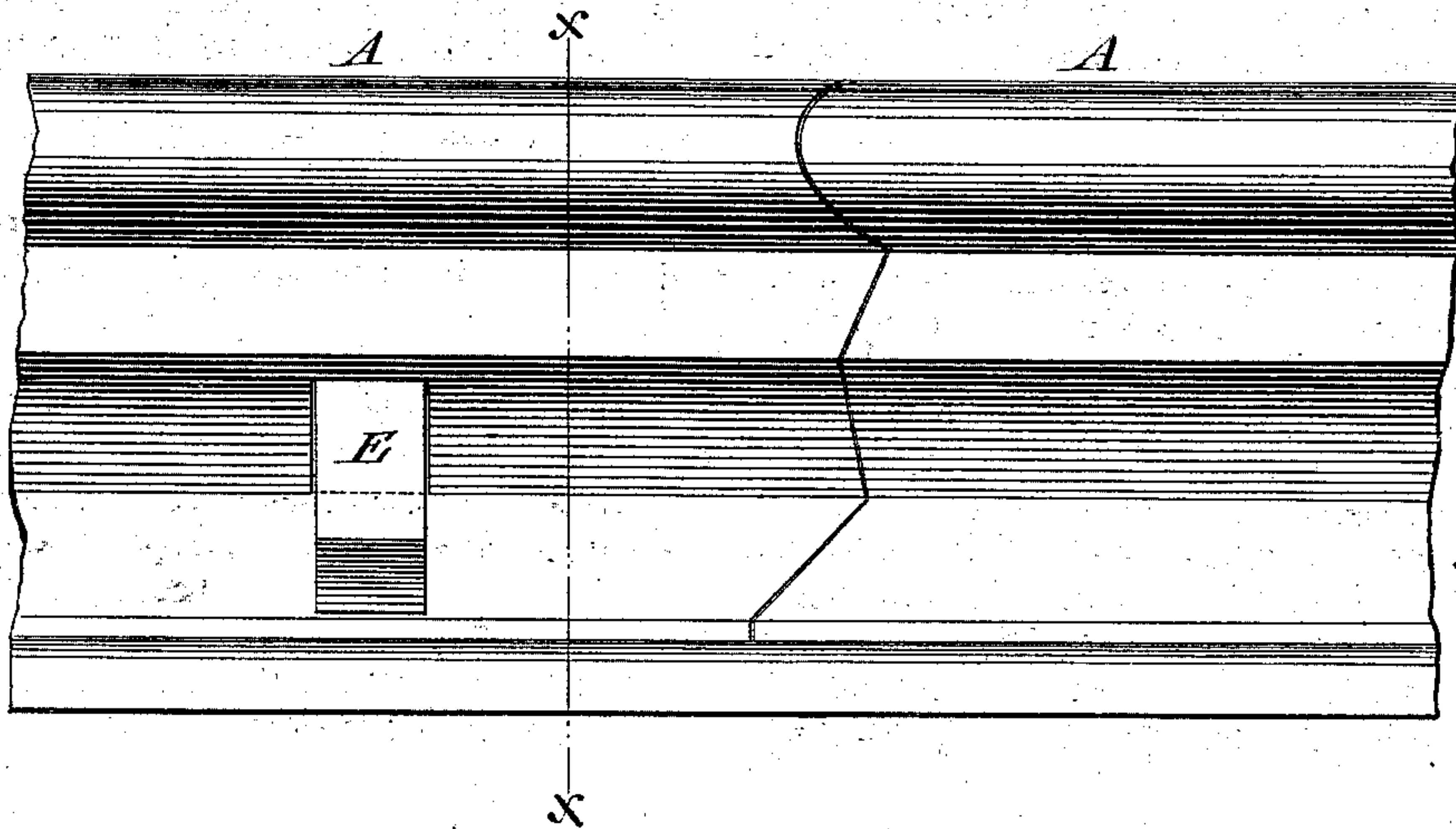
No. 154,427.

Patented Aug. 25, 1874.

*fig. 1.*



*fig. 2.*



WITNESSES:  
*Gustave Dietrich*  
*Hedgcock*

INVENTOR:  
*I. Thomas*  
BY *Wm. L.*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

ISAAC THOMAS, OF JACKSON, MICHIGAN.

## IMPROVEMENT IN COMPOUND RAILROAD-RAILS.

Specification forming part of Letters Patent No. **154,427**, dated August 25, 1874; application filed June 20, 1874.

*To all whom it may concern :*

Be it known that I, ISAAC THOMAS, of Jackson, Jackson county, Michigan, have invented a new and useful Improvement in Compound Railroad-Rails, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is a vertical cross-section of Fig. 2, taken on the line *x x*; and Fig. 2 is a side view.

Similar letters of reference indicate corresponding parts.

A is the compound rail, which is formed of two parts or sections, which are confined together by keys. B is the base. C is the head, and D is the web, of the rail. E represents the keys, by means of which the two parts are confined together. The beveled surface G gives the head of the rail a good bearing,

while the key E holds the foot-piece F securely to its foundation. The key passes through holes punched in the parts or sections of the web at suitable distances from each other, and stands at an angle of about forty-five degrees with the base, as seen in the drawing, with its main bearings at the points Q R, the former on the outside of the web, and the latter on the top of the foot-piece, as seen in the drawing.

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

The key E combined with two rails, as shown and described, for the purpose set forth.

ISAAC THOMAS.

Witnesses:

W. L. HOBART,

W. J. BRONSON.