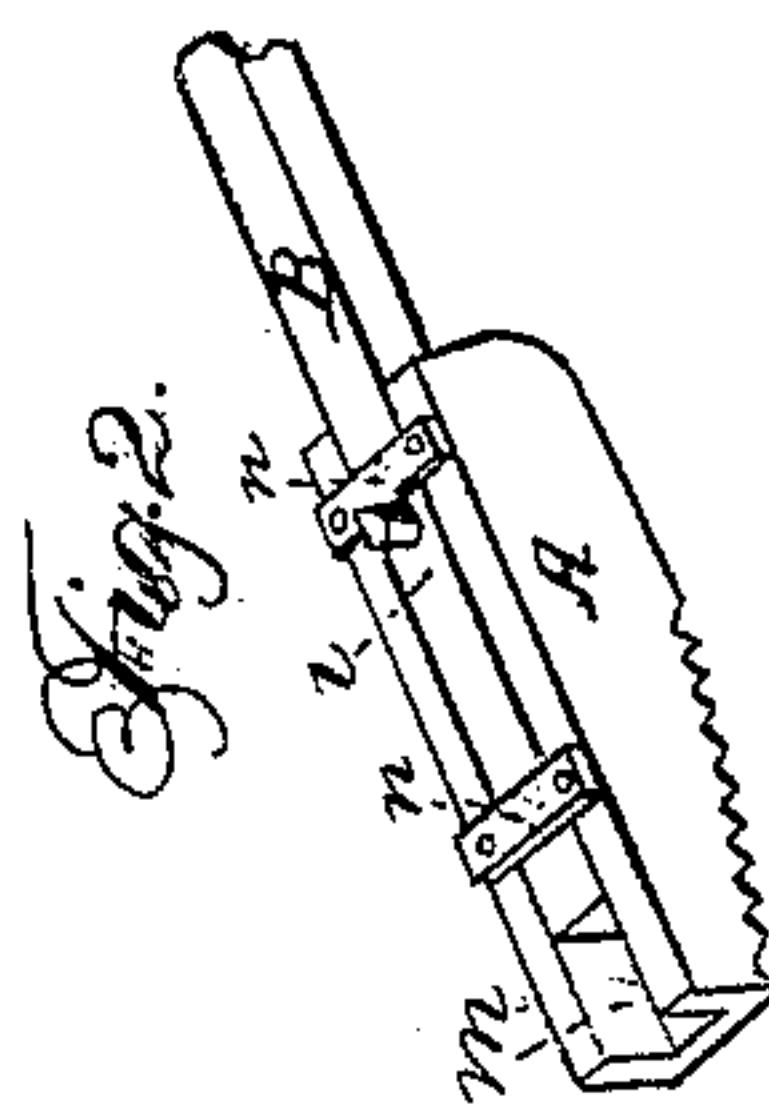
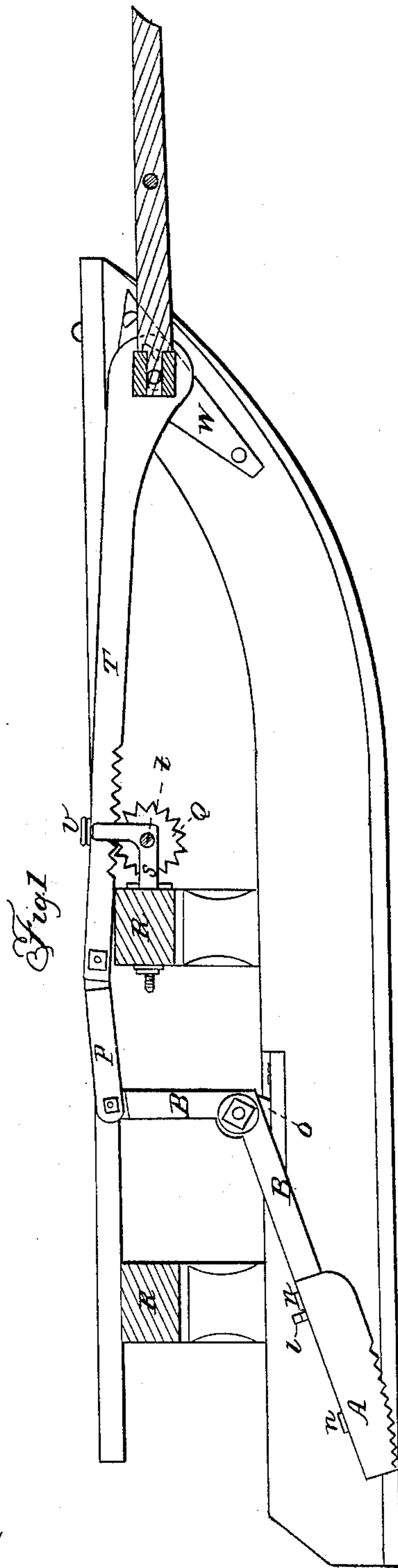


E. S. MAYNARD.

Sleigh-Brake.

No. 37,141.

Patented Dec. 9, 1862.



Witnesses;
J. H. Phillips
C. H. Fowler

Inventor;
E. S. Maynard

UNITED STATES PATENT OFFICE.

ELBERT S. MAYNARD, OF HANCOCK, NEW YORK.

IMPROVEMENT IN SLEIGH-BRAKES.

Specification forming part of Letters Patent No. **37,141**, dated December 9, 1862.

To all whom it may concern:

Be it known that I, ELBERT S. MAYNARD, of the town of Hancock, in the county of Delaware, in the State of New York, have invented a new and Improved Sleigh-Brake; 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, in which—

Figure 1 is a longitudinal section through the center of the sleigh, and Fig. 2 a perspective view of the brake.

The nature of my invention consists in a self-operating brake, which will be readily understood, in connection with the drawings, in which A is a slide, roughened on the bottom, with a crevice, *m*, lengthwise on the top, thus admitting the lever B B, which passes beneath the plates *n n*, which are bolted to the top of the brake, the bolt or check *l* serving to limit the action of the brake on the lever. The angle of the lever B B is supported by the bearing *o*, which is bolted to the top of the runner between the cross-beams R R. P is a short straight bar connecting the lever B B with the main bar T, as represented in the draw-

ings. The bar T slides on the roller of the sleigh, and is cogged near the farther end to gear into the cog-wheel *g*, for the purpose of operating the corresponding series of levers on the other side of the sleigh, the shaft *t* connecting the cog-wheel with the one on the other side corresponding to it. S S are double angular bolts supporting the shaft *t*, and on either side are bolted together by the cross-plate *v*. W are plates fastened on the inside of the runner, and between the runner and roll, with holes or slots *d* for the bolts of the roll to work in, thus producing the raising or lowering of the brake, according to the action of the team upon the tongue.

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

The combined arrangement of the brake A with lever B B and jointed bars P T, when connected with the cogged wheel *g* and roller moving in the slot D, the whole operating and constructed in the manner described.

ELBERT S. MAYNARD.

Witnesses:

JOHN S. HOLLINGSHEAD,
W. H. HARDING.