

T. W. PARRY.
Slate Cutting Machine.

No. 163,944.

Patented June 1, 1875.

Fig. 1

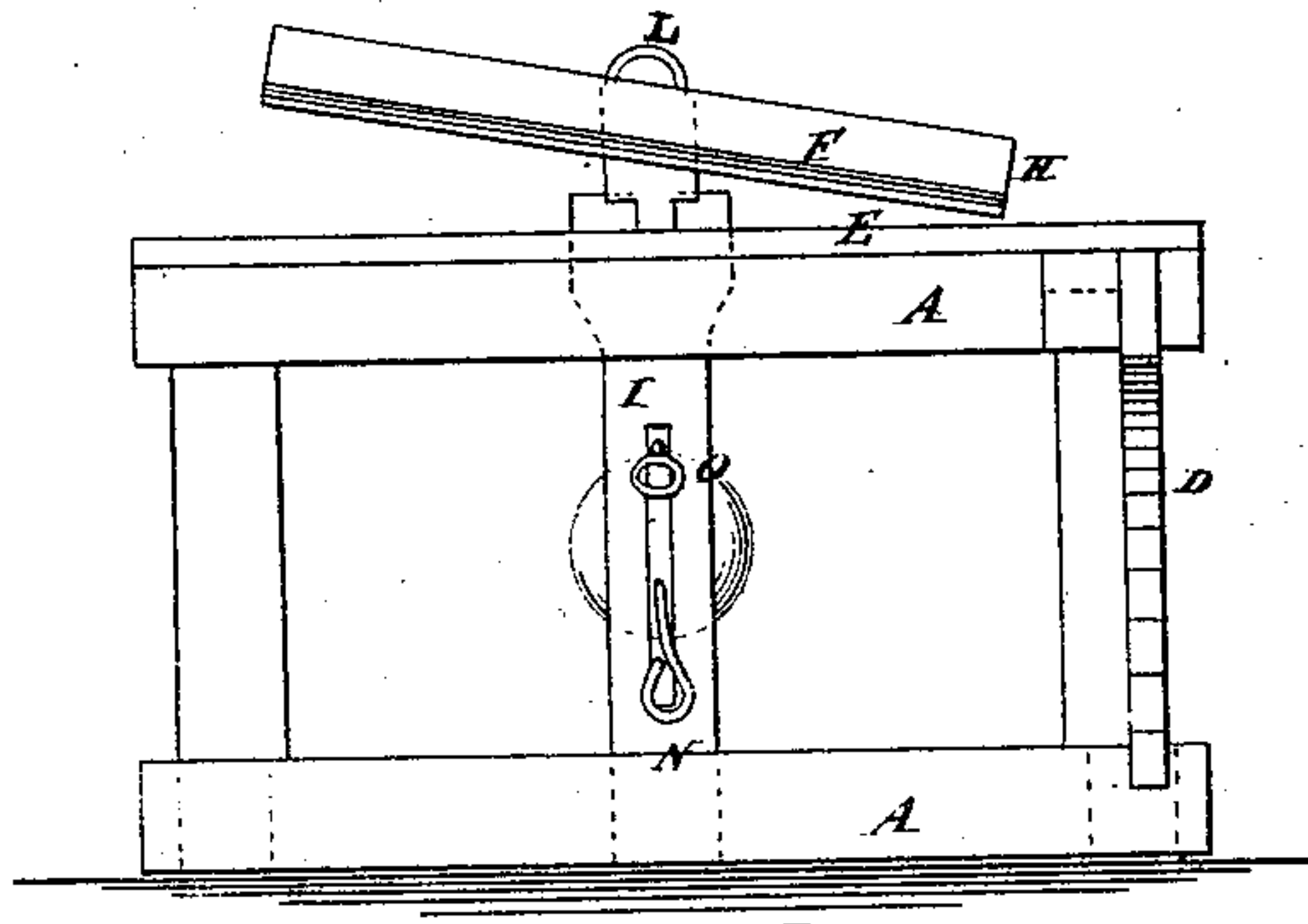
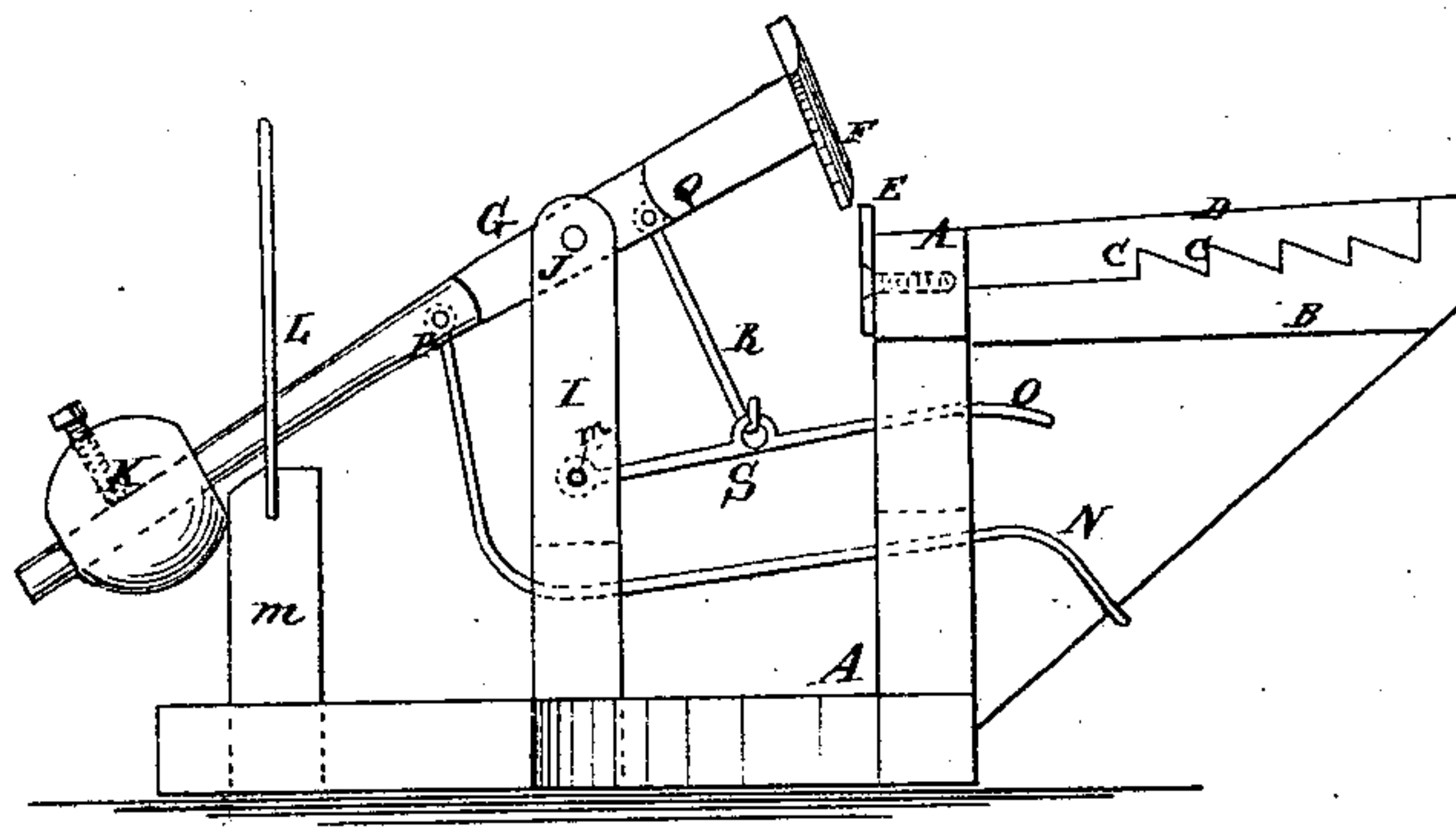


Fig. 2



WITNESSES:

A. M. Almquist
A. J. Terry

INVENTOR:

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BY *Miner*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

THOMAS W. PARRY, OF DANIELSVILLE, PENNSYLVANIA.

IMPROVEMENT IN SLATE-CUTTING MACHINES.

Specification forming part of Letters Patent No. **163,944**, dated June 1, 1875; application filed January 4, 1875.

To all whom it may concern:

Be it known that I, THOMAS W. PARRY, of Danielsville, Northampton county, Pennsylvania, have invented a new and Improved Slate-Cutting Machine, of which the following is a specification:

The present invention has reference to a machine for cutting or trimming slate for roofing and other purposes, which shall be more simple in construction and effective in operation than others heretofore constructed.

The invention consists in the peculiar combination and arrangement of parts, which will be hereinafter fully described and subsequently pointed out in the claim.

Figure 1 is a front view, and Fig. 2 is a side view.

Similar letters of reference indicate corresponding parts.

A is a frame, made either of wood or metal, and of suitable form. B is a wing-piece projected from the front, on a level with the top of the frame, in which are notches C for receiving the back edges of the pieces of slate and squaring the same against the flange D. E is the cutter-plate fastened to the top of the frame and projecting above it, as seen in the drawing. F is the knife, which is attached to the end of the lever G, so as to cut with the cutter-plate like a shears. The cut commences at the lower end H of the knife and terminates at the other end. This knife is composed partly of steel and partly of cast-iron, it being a plate of each, cast or otherwise fastened together. I is a stand from the sill-pieces of the frame, which is forked at its upper end to receive the cutting-lever G. J is the fulcrum-pin of the lever. K is an adjustable weight

on the lever G. L is a guard of iron attached to the stand M, for preventing the long end of the lever from rising too high.

This machine is operated by means of treadles N O, connected with the lever G at different points. The treadle N is for the operator when he is in a sitting position, and the treadle O is for a standing position. The former is connected with the lever at the point P, back of the stand I, and the latter is connected at the point Q in front of the stand. The former passes through a slot in the stand, and the latter is connected to a pin in the stand, and connects with a hook, R, at the point S.

The operator holds the piece of slate over the cutter-plate E, with its back edge resting in one of the notches C, according to its width, and its straight side against the flange D, which is at right angles with the cutter-plate.

This machine is simple in construction and very effective in operation, and results in a great saving of time in preparing slate for use.

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

In a machine for cutting or dressing slate, the combination of the knife-lever G, adjustable weight K, slotted fulcrum-post I, stop-post m, guard L, treadles N O, with the frame A, notched bar B, flange D, cutter-plate E, and knife F, when all the parts are constructed and relatively arranged as herein shown and described.

THOMAS W. PARRY.

Witnesses:

T. B. MOSHER,
ALEX. F. ROBERTS.