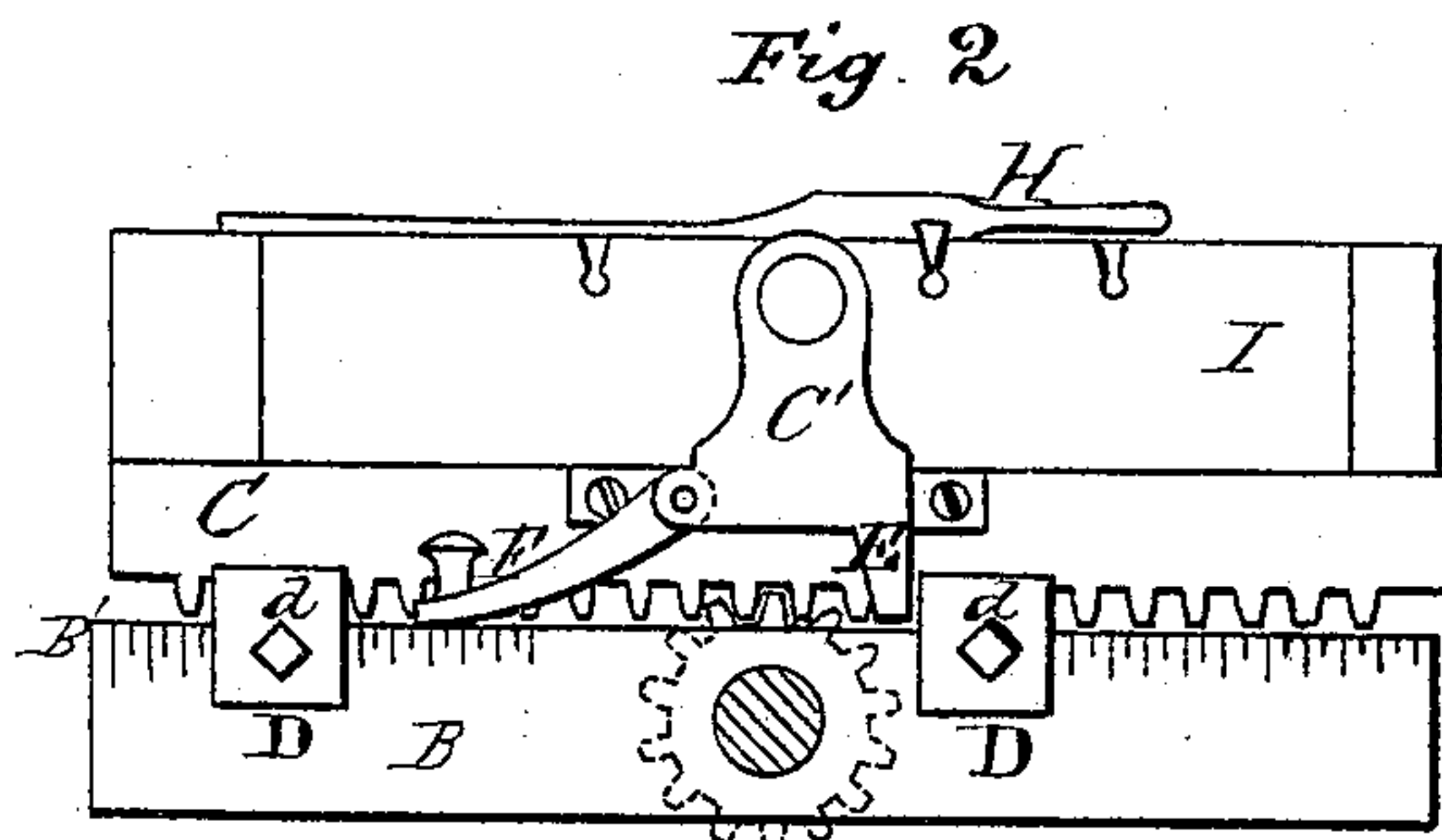
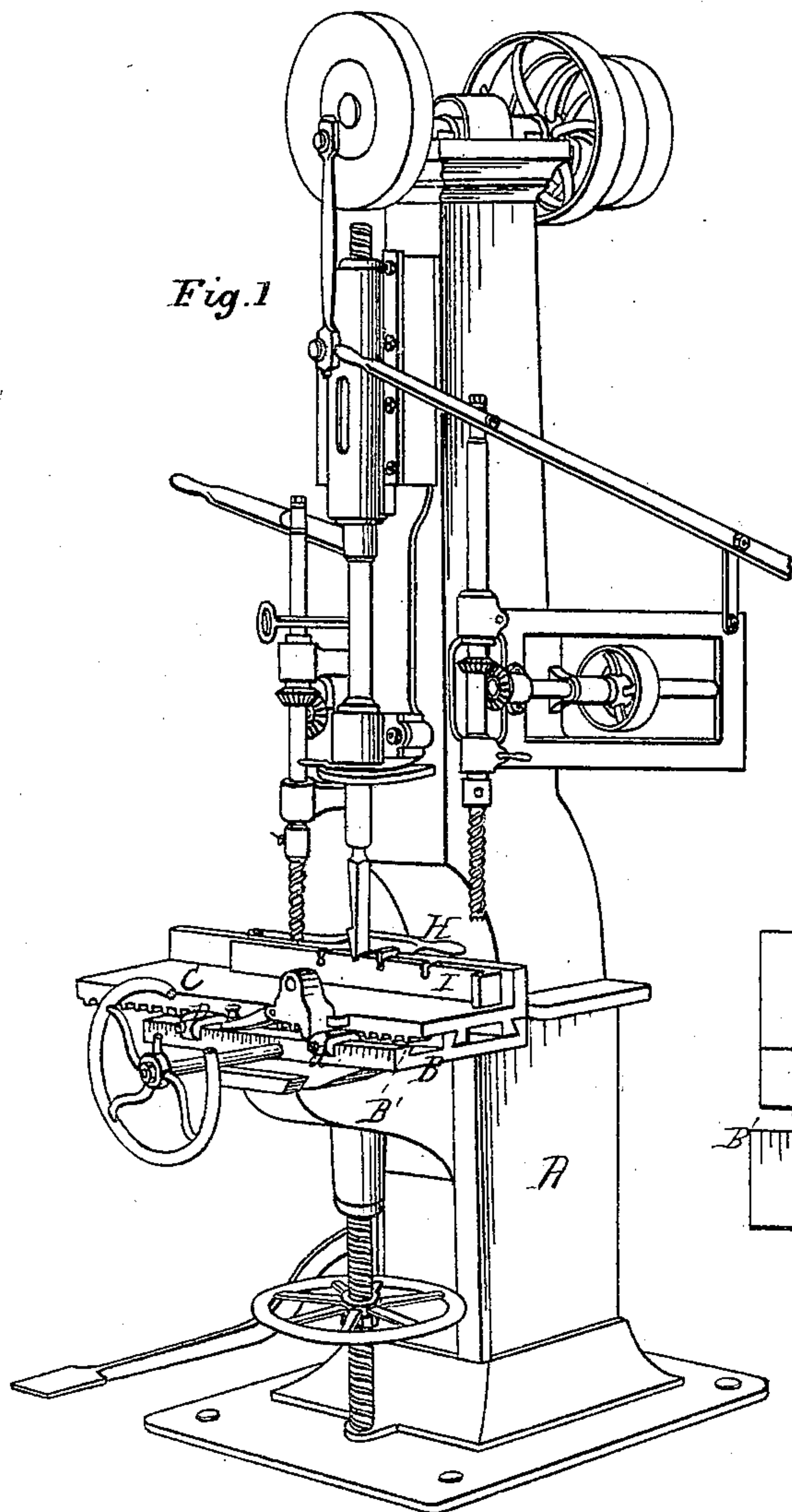


**A. BORNEMAN.**  
**Mortising-Machines.**

No. 151,268.

Patented May 26, 1874.



*Witnesses*

*Alex Mahon*  
*N B Smith*

*Inventor.*

*August Borneman*  
*by A. M. Smith*  
*Attorney.*

# UNITED STATES PATENT OFFICE.

AUGUST BORNEMAN, OF LANCASTER, OHIO, ASSIGNOR OF ONE-HALF HIS  
RIGHT TO JOSEPH HAMBERGER, OF SAME PLACE.

## IMPROVEMENT IN MORTISING-MACHINES.

Specification forming part of Letters Patent No. 151,268, dated May 26, 1874; application filed  
February 12, 1874.

*To all whom it may concern:*

Be it known that I, AUGUST BORNEMAN, of Lancaster, in the county of Fairfield, State of Ohio, have invented certain new and useful Improvements in Mortising-Machines, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings making part of this specification, in which—

Figure 1 is a perspective view of a mortising-machine, showing my improvements applied; and Fig. 2 is a front view of the tables detached.

Similar letters of reference denote corresponding parts in both figures.

My invention relates to that class of mortising-machines in which the carriage upon which the wood or frame-piece to be mortised is moved longitudinally of the machine by means of a cogged rack and pinion or other equivalent device; and consists in providing the block in which the clamping-screw is mounted with lugs or ears, one of which is hinged; and also in providing the frame upon which this carriage is mounted with movable stops, against which the lugs or ears abut, for regulating the length of the mortise, and obviating the necessity for marking or lining said mortise, as hereinafter explained.

In the accompanying drawings, A represents the frame upon which the parts are mounted, and B the lower table, upon which the carriage C is mounted. The outer edge of the table is provided with a flange, B', running its entire length, and beveled or made flaring upon its inner side. Upon this flange B' are mounted movable stops D, which are free to slide upon it, except when held in place by set-screws d. The table C has cast or otherwise secured to it a block, C', in which is mounted the clamping-screw which holds the frame-piece to be mortised in position while being acted upon by the auger or chisel. This block has cast or otherwise secured to it at one side a lug or ear, E, and, upon the other side, is provided with a pivoted latch, F. This latch and lug, which regulate the extent of

the throw of the carriage C, are controlled in their movements by means of the adjustable stops D, one upon each side of the block C'. The flange B' is gaged or lined upon its outer face for setting the stops D the required distance apart, or for gaging the distance of play for the carriage C, and thus regulating the length of cut of the mortise.

The stops being set at the desired points, as before set forth, the latch is raised up and passed over the stop upon the side with it, which allows the carriage to be drawn back under the auger to bore the hole, and when moved back under the chisel the latch will drop down behind the stop, and the mortise cut while moving the carriage from one stop to the other. It will thus be seen that when the stops are gaged for one piece, any number can be mortised with the same length of cut, without the necessity of measuring and marking each piece separately.

The distances apart at which the mortises are to be cut in the same piece is regulated by the spring-catch H and gage-piece I, arranged upon the inner side of the carriage, this latter arrangement, in connection with the stops for gaging the carriage, enabling the operator to mortise any number of pieces alike, without measuring or marking them before being put in the machine, thereby effecting a great saving of time and labor in preparing duplicate pieces for the action of the machine.

Parts of the machine not particularly described may be constructed in any usual manner.

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

The lug E and latch F, applied to the carriage C, in combination with the adjustable stops D, arranged and operating substantially as described.

AUGUST BORNEMAN.

Witnesses:

H. C. DRINKLE,  
J. HAMBERGER.