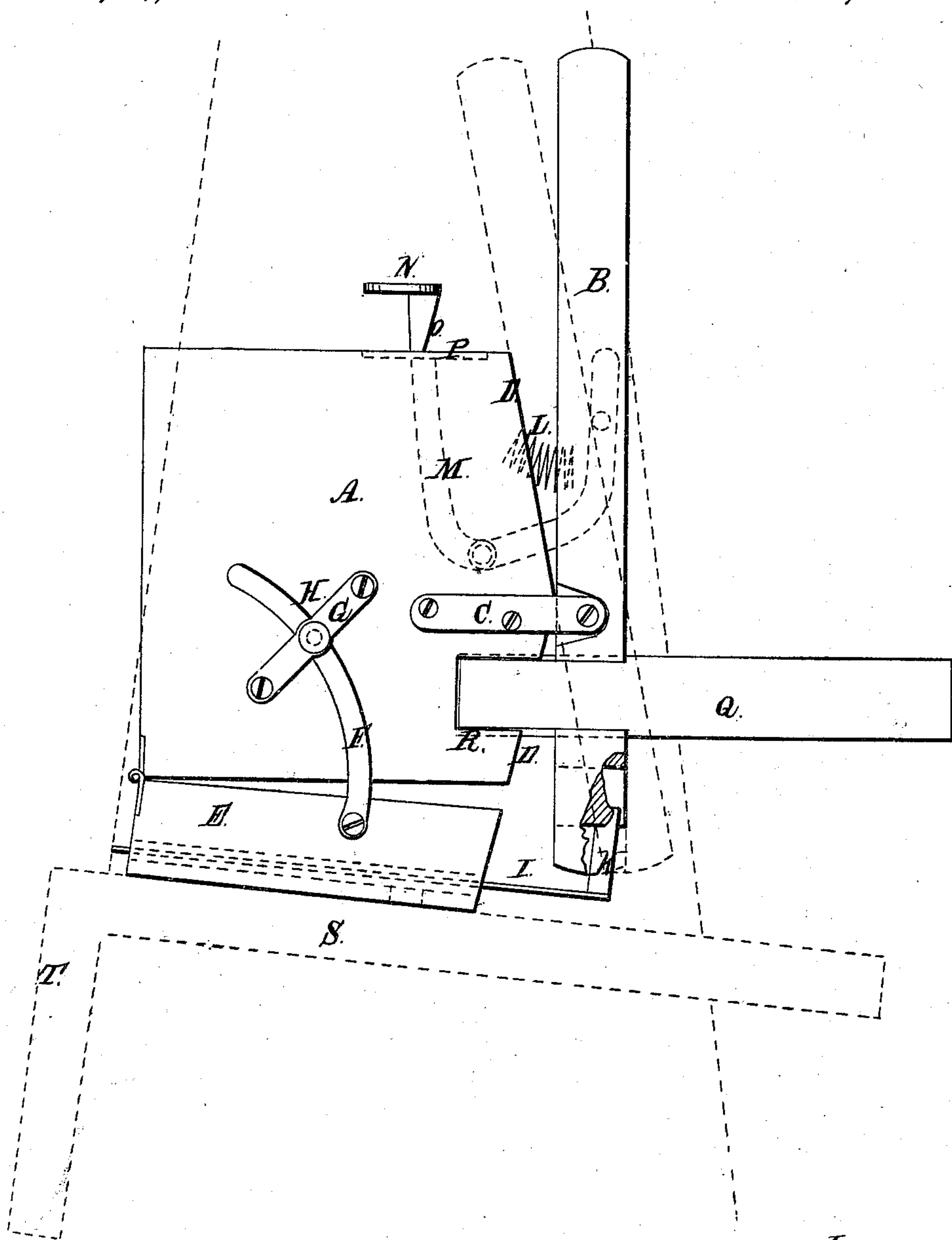


E. J. Griffin

Lettering Block Bevel,

N^o 98,762.

Patented Jan. 11, 1870.



Witnesses.

Wm Dean Overell
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EDWARD J. GRIFFIN, OF HART'S FALLS, NEW YORK.

Letters Patent No. 98,762, dated January 11, 1870.

IMPROVEMENT IN ADJUSTABLE LETTERING-BLOCK.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, EDWARD J. GRIFFIN, of Hart's Falls, of Rensselaer county, State of New York, have invented a new and improved Lettering-Block; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

This invention relates to improvements in "blocks" used by marble-cutters, and others, in laying out letters, previous to cutting or painting them, and consists in the combination, with such blocks, of certain devices by which to guide the pencil in making all the different straight lines required, whether horizontal, vertical, or inclined, and adapted for pyramidal, rectangular, and other-formed stones; also adapted for spacing, and for adjustment readily to the different conditions required, as hereinafter more fully specified.

The drawing represents a plan view of my improved block, and its adjuncts, and shows the application of the same to a stone of pyramidal form.

To a block, A, of any suitable size and shape, I connect a scribing-bar, B, by pivoting it to an arm, C, projecting from the block.

This bar B is intended to be used in marking the vertical or inclined side lines of the letters, and in order to turn it either way from the vertical line, the block A must either be bevelled at the corners D, or the bar C must project beyond the side of the block A.

At the bottom of this block is an adjustable hinged block, E, provided with a curved adjusting-bar, F, working under a cap, G, in which a set-screw, H, works, to hold the block E at any required inclination to the block A.

I is an adjustable spacing-bar, arranged in the block E to slide back and forth. It has a vertical spacing-tongue, K, and may have a spring-catch, or any other device for holding it in the required position.

The bar B is provided with a spiral spring, L, which has a constant tendency to throw it off from the block A above the bar C.

A curved and jointed bar, M, is connected to the bar B, and arranged in a slot in the block A, for forcing the bar up to the block, by pressing down upon the thumb-piece N at the top.

The said bent bar M is provided with a notch, O, for catching under a plate, P, to hold the bar B in a vertical position.

The thumb-piece is pressed wholly down against the plate P for forcing the bar B wholly up to the block A. A recess is provided in the face of the spring, for the reception of it when in this position.

For marking horizontal lines, a bar, Q, is connected to the block by sliding into a dovetail groove in the lower part of the block, in a way to be detached, to admit freedom of movement to the vertical bar B.

In using this instrument, the block E is placed on the blade S of a square, the stock T of which is held on the side of the stone, rectangular in shape. The said block E is adjusted to a line parallel with the bottom of the block A, but if the stone is pyramidal, or of other form than rectangular, the block E is so adjusted as to bring the bar Q parallel with the base or top of the stone.

The vertical blade K of the bar I may be adjusted to the required distance in advance of the lower end of the bar B, for the spaces between the letters which may be marked on the stone previous to the advance of the block A along the blade of the square.

Having thus described my invention,

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

The combination, with the blocks A E and bar Q, of the adjustable spacing-bar I, substantially as specified.

The above specification of my invention, signed by me, this 27th day of August, 1869.

E. J. GRIFFIN.

Witnesses:

DANIEL F. PRUYN,
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