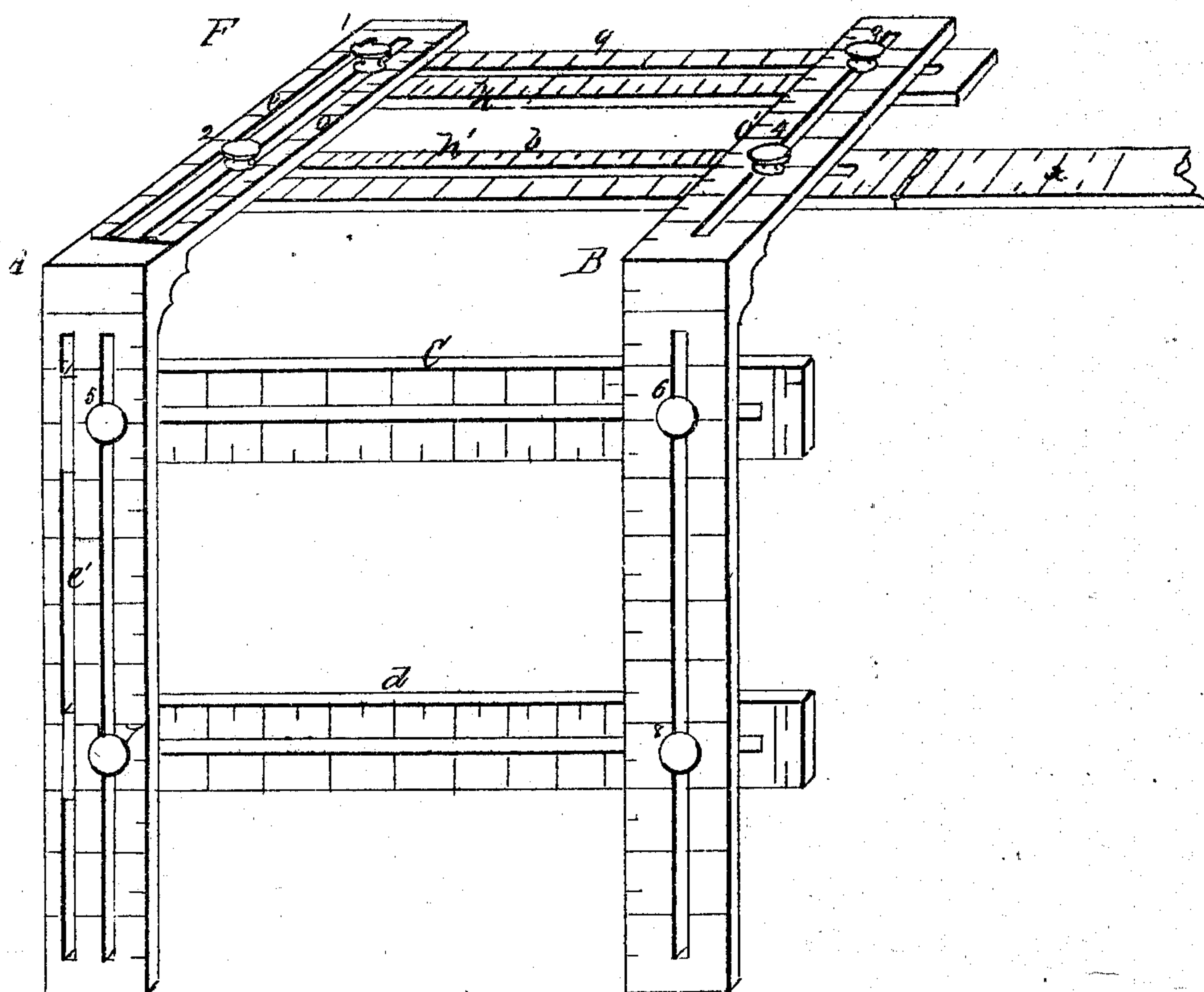


*N. C. Burnett.*

*Pattern-Square.*

*Nº 74297*

*Patented Feb. 11, 1868*



*Witnesses.*

*R. F. Hyde.*  
*Roswell Lee*

*Inventor*

*Nelson C. Burnett*  
*by his attys*  
*Gardner & Co.*

# United States Patent Office.

NELSON W. BURNETT, OF SOUTH HADLEY, MASSACHUSETTS.

*Letters Patent No. 74,297, dated February 11, 1868.*

## IMPROVEMENT IN PATTERN-SQUARE.

*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, NELSON W. BURNETT, of South Hadley, Hampshire county, Commonwealth of Massachusetts, have invented a new and useful Improved Pattern-Square; 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 the drawings the figure shows a perspective view of my improved square.

This invention consists of a device for marking out mortises, &c., upon timber preparatory to cutting the same out, being principally adapted to the uses of carpenters and joiners.

In construction it is formed of two right-angled pieces, A and B, which are connected together by cross-bars *a*, *b*, *c*, and *d*, arranged at right angles to them. Both the right-angled pieces A and B, and the connecting ones, *a*, *b*, &c., are slotted longitudinally, so that any measurements permitted by the size of the instrument may be made in the form of a parallelogram. The piece A has, however, two slots in each face, the ones, *e* and *e'*, being for guides upon the ends of the cross-pieces *a*, *b*, *c*, &c., to work in, and thus keep these pieces at a right angle to the piece A. The pieces of this device are all marked in the scale most useful to the work it is designed for, and small set-screws, 1, 2, 3, 4, 5, 6, &c., are arranged so as to clamp the pieces firmly together at any measurement desired. One of the cross-pieces, say *b*, may be at *x* extended so as to form a measuring-rule if desired.

The operation of this device is as follows: In order to obtain the measurement of a mortise, the right-angled pieces A and B are moved so as to be the proper distance apart, to indicate the two opposite sides of the parallelogram, and the cross-pieces on that face of the instrument moved so as to mark the other sides of the figure, the lines being drawn on the inside edges of the pieces forming the four sides of the figure, the scale on these edges also indicating the measures. Thus the pieces A and B, upon the upper face, F, of the instrument, form, at their edges *o* and *o'*, two opposite and parallel sides of the figure to be marked out, while the cross-pieces *a* and *b*, at their edges, *p* and *p'*, form the other sides, the scale marked upon these edges showing the measure of these sides.

Many other operations, such as tenoning, cross-cutting, &c., may be facilitated by this tool, and it is peculiarly useful in house-building and ship-building, where the same measures are used a great many times over.

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

The pieces A and B, forming right angles, in combination with the pieces *a*, *b*, *c*, and *d*, placed at right angles with A and B, and adjustable relatively with each other in slots, in such manner that mortises or tenons may be marked at one adjustment of the tool upon two sides of a right-angled timber, substantially as described.

NELSON W. BURNETT.

Witnesses:

R. F. HYDE,  
E. H. HYDE.