

H. RUNG.

Diamond-Saw for Cutting Stone.

No. 168,786.

Patented Oct. 11, 1875.

Fig: 1.

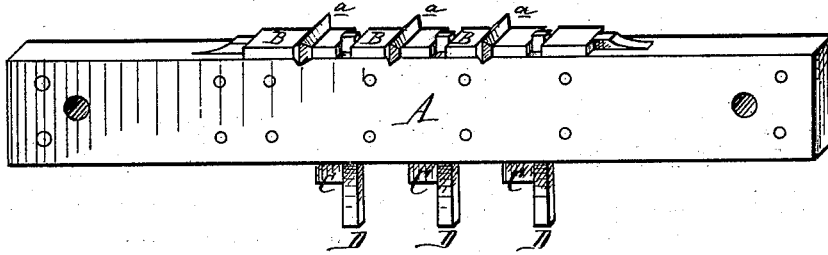
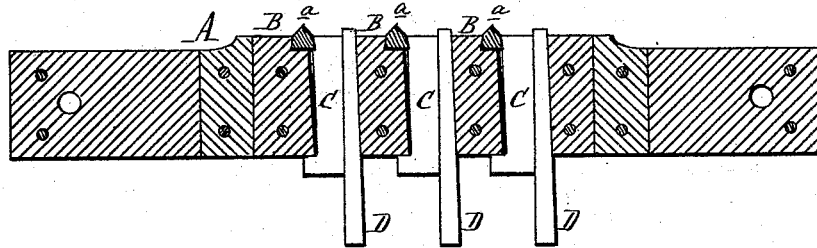


Fig: 2.



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Edward Parthel.
Geo. S. Day

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UNITED STATES PATENT OFFICE.

HENRY RUNG, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF HIS RIGHT
TO ROBERT BAUMGARTEN, OF SAME PLACE.

IMPROVEMENT IN DIAMOND-SAWS FOR CUTTING STONE.

Specification forming part of Letters Patent No. **168,786**, dated October 11, 1875; application filed
August 10, 1875.

To all whom it may concern:

Be it known that I, HENRY RUNG, of Chicago, in the county of Cook and State of Illinois, have invented an Improvement in Diamond-Saws for Cutting Stone, of which the following is a specification:

The nature of my invention relates to an improvement in stone-saws of that class wherein carbon points are secured to one edge of the blade to serve as cutters; and its object is to afford a means for readily and firmly securing the carbon points in position.

The invention consists in a saw-blade made or built up of two thin strips with spacer-blocks riveted between them, each having a socket in an outer corner to receive one corner of the carbon point, which is held therein by a gib pressed against the other by a wedge-shaped key, as more fully hereinafter set forth.

Figure 1 is a perspective view of my saw. Fig. 2 is a longitudinal section.

In the drawing, A represents the saw-blade, built up of thin strips of steel, with spacer-blocks B riveted between the blades wherever

a carbon point is to be inserted. In the outer corner a half-dovetail notch is cut to receive the base of a prismatic point, *a*, which is held in place by the corner of a gib, C, inserted from the back of the saw, and which gib is filed to fit and embrace the projecting corner of the point *a*, the gib being forced against it by a wedge-shaped key, D, driven between it and the next spacer-block.

The carbon points need not necessarily be uniform in size and shape, as heretofore, as the gib corner can be filed to fit accurately an uneven or odd-shaped point that is to be secured in the saw.

What I claim as my invention is—

The saw-blade A, built up of two strips, and a series of spacer-blocks, B, as described, and the combination therewith of the gibs C and keys D, as and for the purpose set forth.

HENRY RUNG.

Witnesses:

WM. H. LOTZ,
GEO. W. FERRIS.