

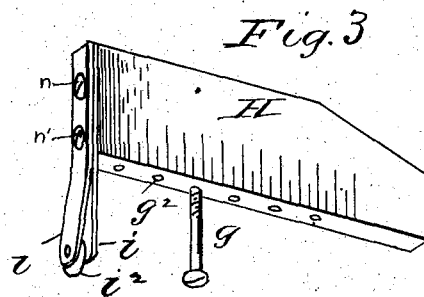
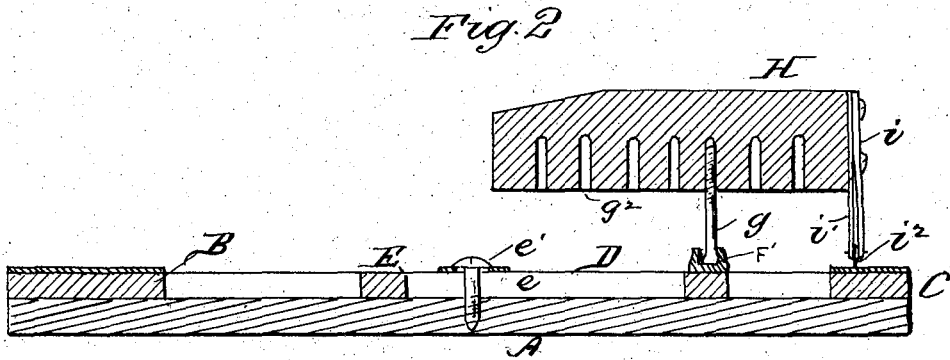
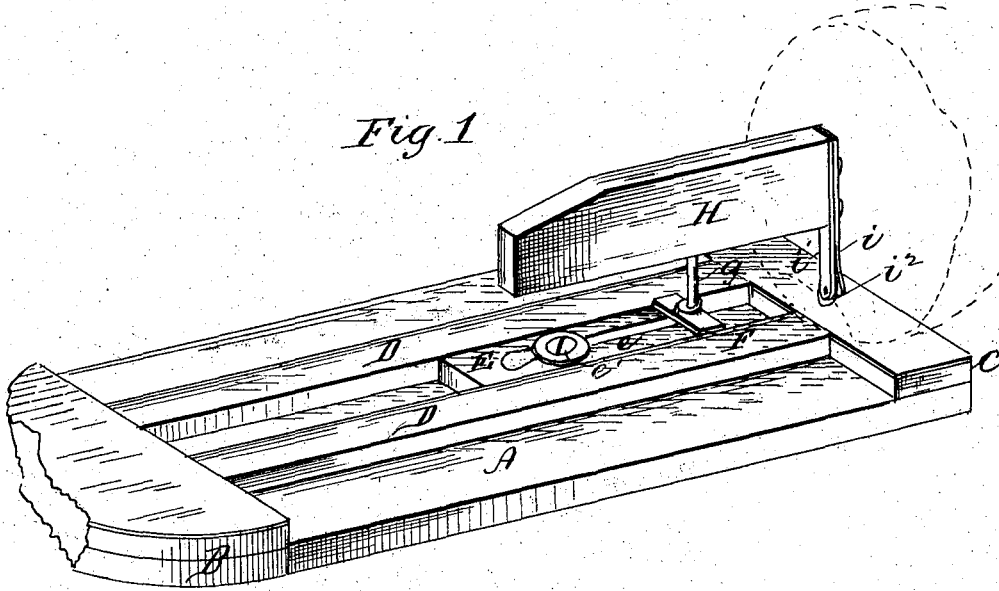
No. 769,073.

PATENTED AUG. 30, 1904.

A. GRUNDSTROM.
DEVICE FOR SCALLOPING GLASSWARE.

APPLICATION FILED JULY 7, 1903.

NO MODEL.



WITNESSES:
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UNITED STATES PATENT OFFICE.

ANTON GRUNDSTROM, OF MONACA, PENNSYLVANIA, ASSIGNOR TO PHOENIX GLASS COMPANY, OF MONACA, PENNSYLVANIA, A CORPORATION OF WEST VIRGINIA.

DEVICE FOR SCALLOPING GLASSWARE.

SPECIFICATION forming part of Letters Patent No. 769,073, dated August 30, 1904.

Application filed July 7, 1903. Serial No. 164,554. (No model.)

To all whom it may concern:

Be it known that I, ANTON GRUNDSTROM, a citizen of the United States, residing at Monaca, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Devices for Scalloping Glassware; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of my invention is to provide novel means for scalloping the edges of hollow articles of glassware, especially such articles as shades and globes for light-fixtures.

My invention consists in the construction of a device by which a suitable cutting or scoring point or wheel mounted and arranged so as to describe arcs of a circle of different diameters and depths may be employed and any number of scallops cut of uniform size or of any desired size and depth, as well as of various shapes or patterns, dependent upon the skill and judgment of the operator.

The device embodying my invention comprises a cutting or scoring tool attached to a pivotally-arranged handpiece so arranged that it may be adjusted to cut with certainty, accuracy, and speed arc-shaped scallops of any desired size and depth and of an infinite number of variations and combinations.

In the accompanying drawings, Figure 1 is a perspective view of the complete apparatus embodying my invention. Fig. 2 is a vertical longitudinal section of the same, and Fig. 3 is a perspective view of the cutting-tool detached.

Referring to the drawings, A designates a board constituting the base of the apparatus, and B C are end cleats, upon which the article to be cut is supported. Between the cleats and attached to the base A are arranged the parallel guides DD, between which is located the block E, having a vertical longitudinal slot *e*, through which passes a screw *e'*, entering the base A and holding the block E in

place by means of a washer. To and near one end of the block E a plate F is secured and formed with a socket-bearing F' to receive the enlarged lower end of a pivot-screw *g*, upon which the handpiece or support H is moved. The handpiece H is conveniently formed of a short bar having a number of screw-holes bored in its lower edge for the reception of the screw-pivot *g*, which may be adjusted to produce arcs or scallops of different radius.

The cutter consists, preferably, of a hardened-steel wheel *i*², journaled between the lower ends of two metallic strips *i*¹, which are secured to the end of the handpiece H by two screws *n n'* and which may be sufficiently separated when it is desired to replace the cutting-wheel by loosening the screw *n'*. The pivot *g* is arranged so as to have a slight amount of play in its socket or bearing in order to allow the tool to be raised and lowered at its end and its pressure and movement controlled.

In operating the device the pivot *g* is first set in the proper hole in the under side or lower edge of the handpiece H, according to the size or radius of the scallop to be cut, and the sliding block E is adjusted to give the cut, the required depth. The article to be scalloped is held by one hand while its edge rests on one of the cleats B C. The handpiece H is then taken hold of and the cutting-wheel *i*² brought into contact with the inner surface of the glass at the edge of the article and the tool then turned on its pivot with sufficient pressure to cut or score the glass until the scallop is cut. When the article to be cut is held stationary while the handpiece is moved, simple arc-shaped scallops will be cut; but by manipulating the glass article in different ways reverse and combination curves may be formed, thus giving an almost infinite variety of patterns to the scallops.

Having described my invention, I claim as new and desire to secure by Letters Patent—
The device for scalloping glassware, comprising the base, A, having longitudinal guides

D, D, the longitudinally-adjustable block E, movable between said guides, the pivot *g*, mounted on said block, the handpiece H, attached to said pivot, and adjustable lengthwise thereon, and a cutting or scoring device
5 attached to the end of said handpiece, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ANTON GRUNDSTRÖM.

Witnesses:

GEO. F. WEHR,
WILLIAM WEHR.