

(No Model.)

J. B. HASTINGS.  
METHOD OF MAKING GLAZIERS' POINTS.

No. 438,582.

Patented Oct. 14, 1890.

FIG. I.

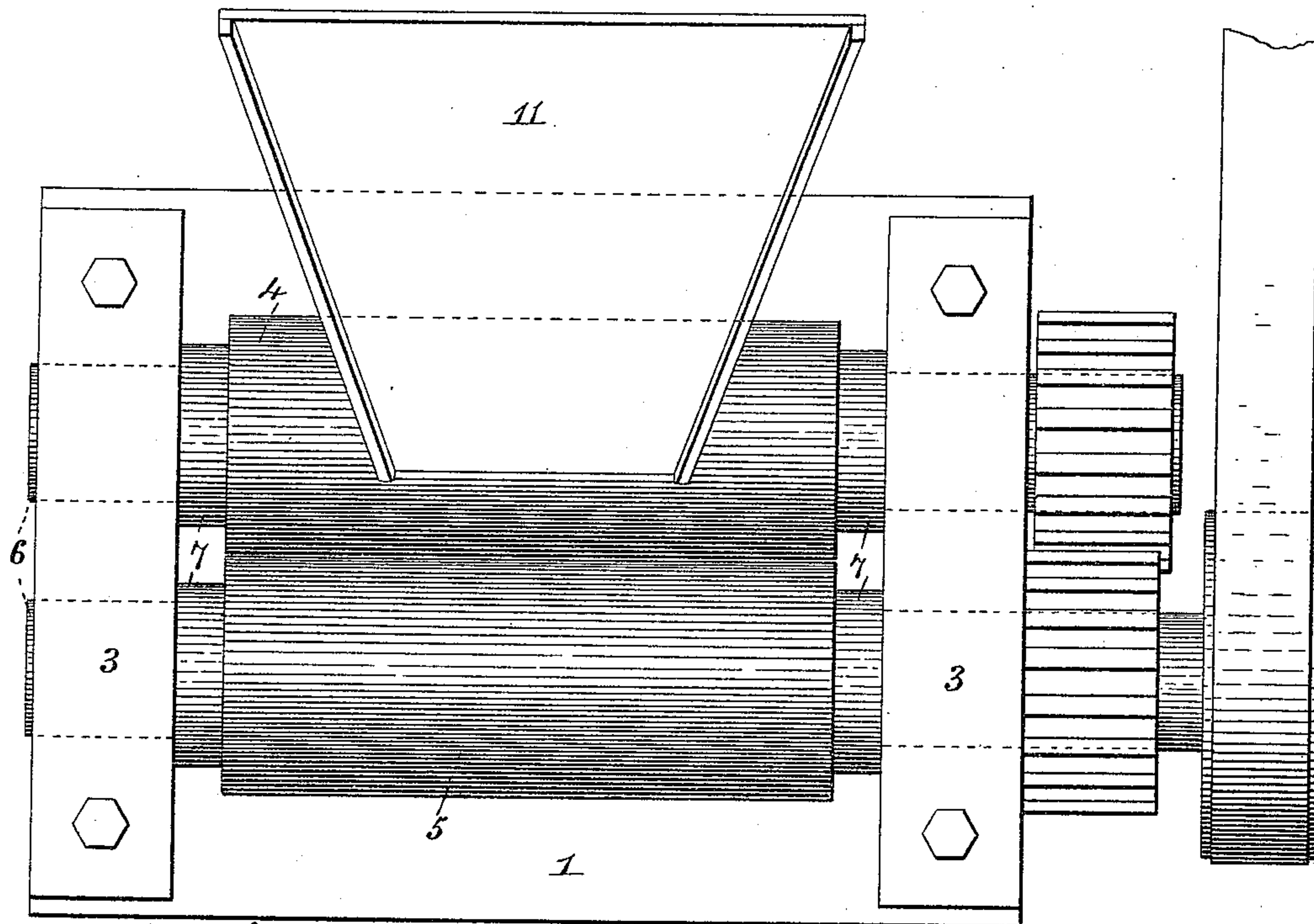


FIG. II.

FIG. III.

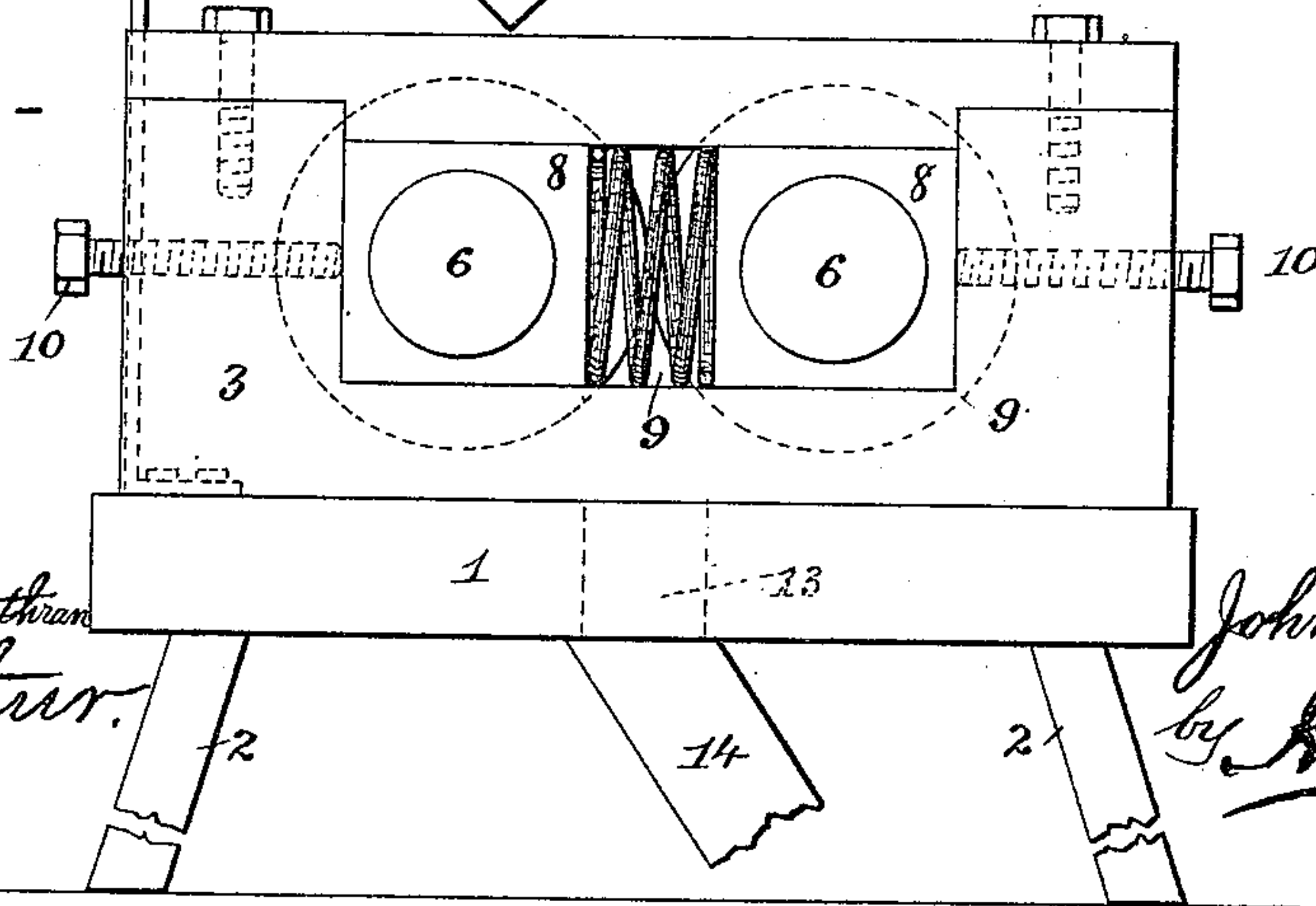


FIG. IV.



Attest:

Jas. H. McArthur

E. Arthur.

Inventor:

John B. Hastings.

by *Knight*

attys.

# UNITED STATES PATENT OFFICE.

JOHN B. HASTINGS, OF JACKSON, OHIO.

## METHOD OF MAKING GLAZIERS' POINTS.

SPECIFICATION forming part of Letters Patent No. 438,582, dated October 14, 1890.

Application filed January 20, 1890. Serial No. 337,529. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN B. HASTINGS, a citizen of the United States, residing at Jackson, in the county of Jackson and State of Ohio, have invented certain new and useful Improvements in the Process of and Apparatus for Manufacturing Glaziers' Points, of which the following is a specification.

My invention relates to a process of and apparatus for manufacturing glaziers' points from the wings produced by pointing wire nails; and it has for its object the saving of these wings or scraps, which have heretofore been treated as refuse, and utilizing them for making into glaziers' points, which are produced at a cost much less than where the metal is specially prepared for them.

My invention consists in features of novelty to be hereinafter described, and then pointed out in the claims.

I order that my invention may be fully understood, I will proceed to describe the same with reference to the accompanying drawings, in which—

Figure I is a plan view of the machine, and Fig. II is a side view. Fig. III is a view of one of the wings, and Fig. IV is the finished point.

In the drawings, 1 represents the bed-plate of the machine that may be provided with suitable supports—such as seen at 2—and 3 represents standards or housings at each end of the bed-plate.

4 5 is a pair of geared rolls arranged side by side and having necks 6 and shoulders 7, that abut against the housings to prevent longitudinal movement of the rolls. The necks 6 have bearing in brasses 8, which are fitted in elongated horizontal openings 9 in the housings or standards. These brasses may be adjusted to bring the rolls at a variable distance asunder by means of set-screws 10, that engage in screw-threaded openings in the standards and bear against the brasses.

Arranged above the rollers and at a suitable relative distance from the space between them is a chute or trough 11, that is in-

clined downwardly at its delivery end and is supported on an upright 12 in any suitable manner.

In Fig. III is shown the shape of the wings which are produced by the pointing of wire nails, which are in the form of pyramidoids. These pyramidoids when rolled out by the above-described machine form the triangular glaziers' points. The pyramidoids or wings, as they pass from the delivery end of the chute, drop between the rolls and are flattened to the triangular shape shown in Fig. IV, and the points produced then drop from between the rolls through an opening 13, formed in the bed-plate, into a keg or other receiver placed below the opening, or into a chute 14, which leads to a suitable receiver.

It will be seen that the shape of the wings is such that when flattened out by the process of rolling a triangular glazier's point will result. By reason of the shape of the wings the utilization of them for the production of glaziers' points is a practical success.

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

1. The herein-described method of producing glaziers' points, which consists in flattening between suitable rolls the refuse in the shape of pyramidoids which results from the pointing of wire nails.

2. The combination of a bed-plate having an opening, housings or standards at each end of said plate, having elongated horizontal openings, and a pair of geared rolls journaled in said openings, substantially as set forth.

3. The combination of a bed-plate having an opening, housings at each end of said plate, a pair of geared rolls journaled in said housings, and a chute or trough arranged above the rolls to deliver material between them, substantially as set forth.

JOHN B. HASTINGS.

Witnesses:

THOS. C. GASKENS,  
J. E. RUDISILL.