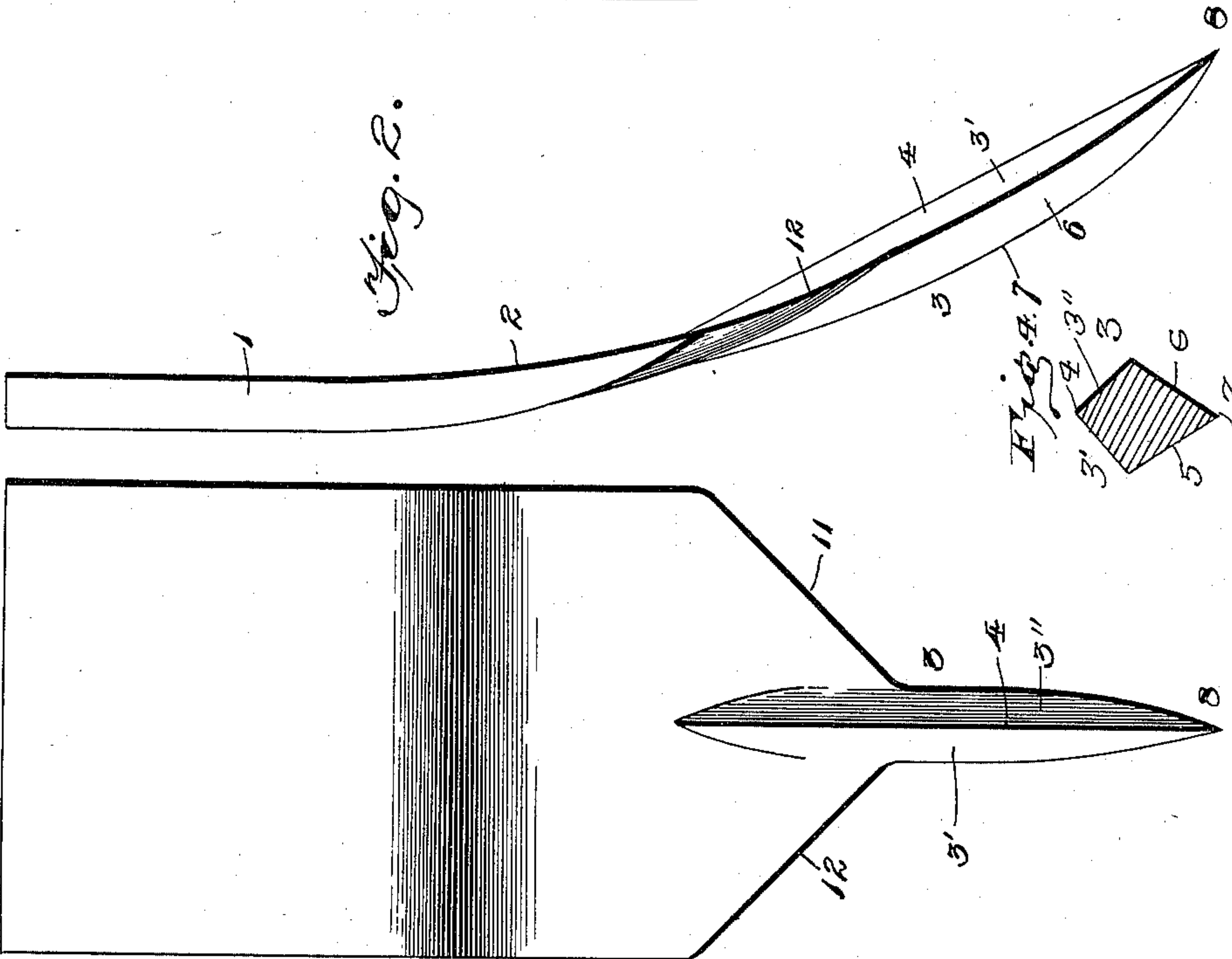
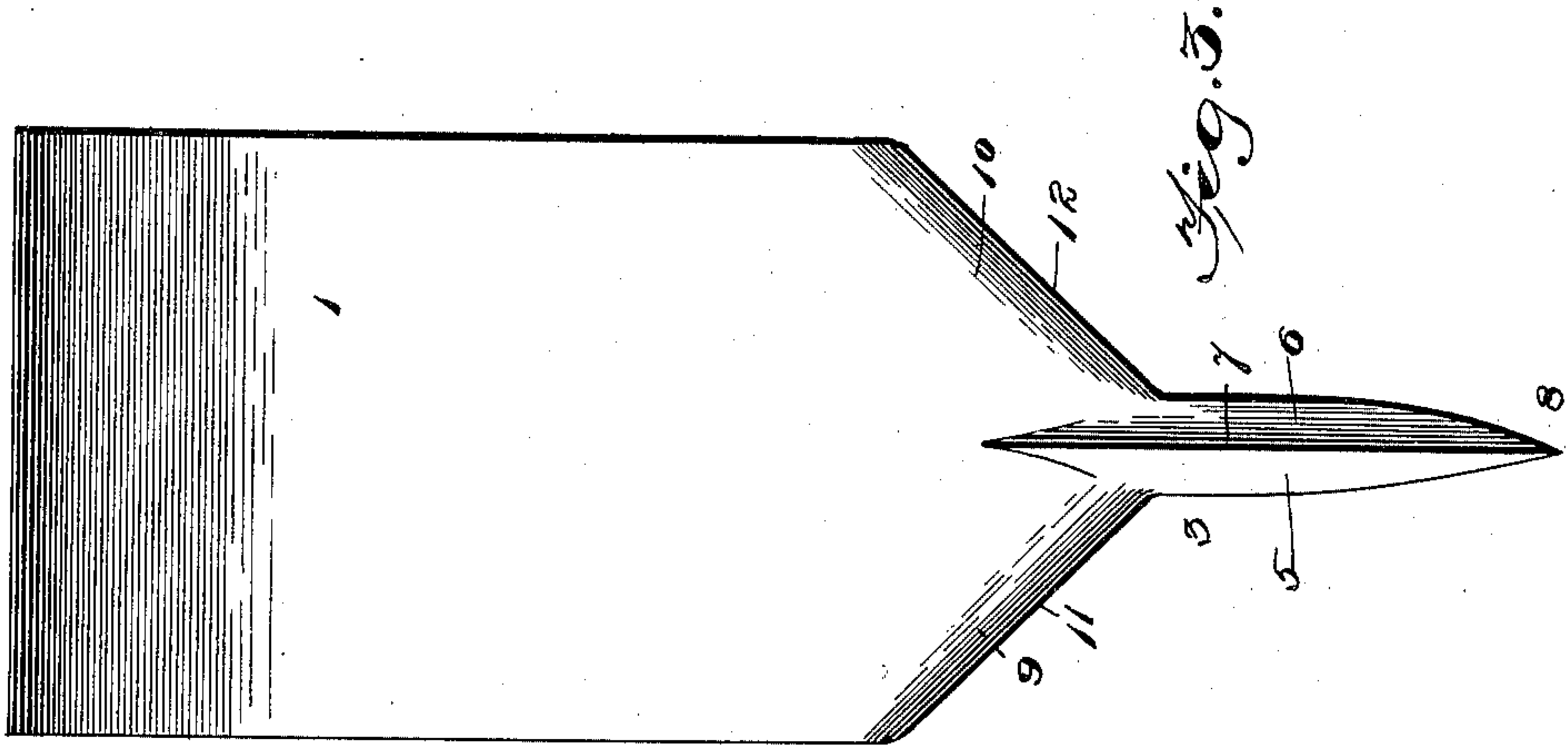


(No Model.)

H. MATTHIES
PLOW POINT.

No. 598,614.

Patented Feb. 8, 1898.



WITNESSES
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UNITED STATES PATENT OFFICE.

HERMAN MATTHIES, OF FREEMAN, KANSAS.

PLOW-POINT.

SPECIFICATION forming part of Letters Patent No. 598,614, dated February 8, 1898.

Application filed December 29, 1896. Serial No. 617,389. (No model.)

To all whom it may concern:

Be it known that I, HERMAN MATTHIES, a citizen of the United States, residing at Freeman, in the county of Stafford and State of Kansas, have invented certain new and useful Improvements in Plow-Points; 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.

My invention relates to plow-points.

My object is to provide a plow-point which will be of such improved construction that the soil will be more readily opened up, any roots encountered cut, and any rocks or stones met with dug up, and one which will operate with but little friction.

Having the foregoing objects in view, the invention consists of a plow-point of improved and peculiar construction, as will appear more fully hereinafter.

In the accompanying drawings, Figure 1 is a front view of my improved plow-point; Fig. 2, an edge view; Fig. 3, a rear view; Fig. 4, a cross-section of the beak.

The body of the point is shown at 1, the same being dished or curved in its front face, as at 2. The lower portion of said body is formed into a beak 3, which has a straight upper cutting edge 4, sloping surfaces 3' and 3'', and bottom sloping surfaces 5 and 6, which converge to a sharp ridge 7, which is curved to the tip 8 of the beak. It will be observed that the back is cut away at its lower end on opposite sides of the beak at 9 and 10, thereby forming inclined cutting edges 11 and 12.

Owing to the peculiar construction of the beak the soil is readily cut by the knife-edge 4, while the edge 7, being rounded, enables the beak to easily work into the soil, and the edges 11 and 12 assist in loosening the earth. The edges 4 and 7 are well adapted to cut roots should the beak pass under or over the latter, and the beak is adapted to dig out any rocks or stones encountered. Owing to the curvature of the body and the back thereof there is but little friction.

Although I have referred to the device as being a "plow-point," yet it is well adapted for use on cultivators, lister-planters, &c.

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

1. The herein-described plow-point comprising a body which is extended at its lower end into a beak having its bottom formed into two surfaces extending longitudinally of the beak and converging to a curved ridge running from the body to the tip of said beak.

2. The herein-described plow-point, the same comprising a body and a beak which has upper slanting surfaces converging to a knife-edge, and lower slanting surfaces which converge to a knife-edge.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

HERMAN MATTHIES.

Witnesses:

A. RORACKER,
C. D. SHRADER.