

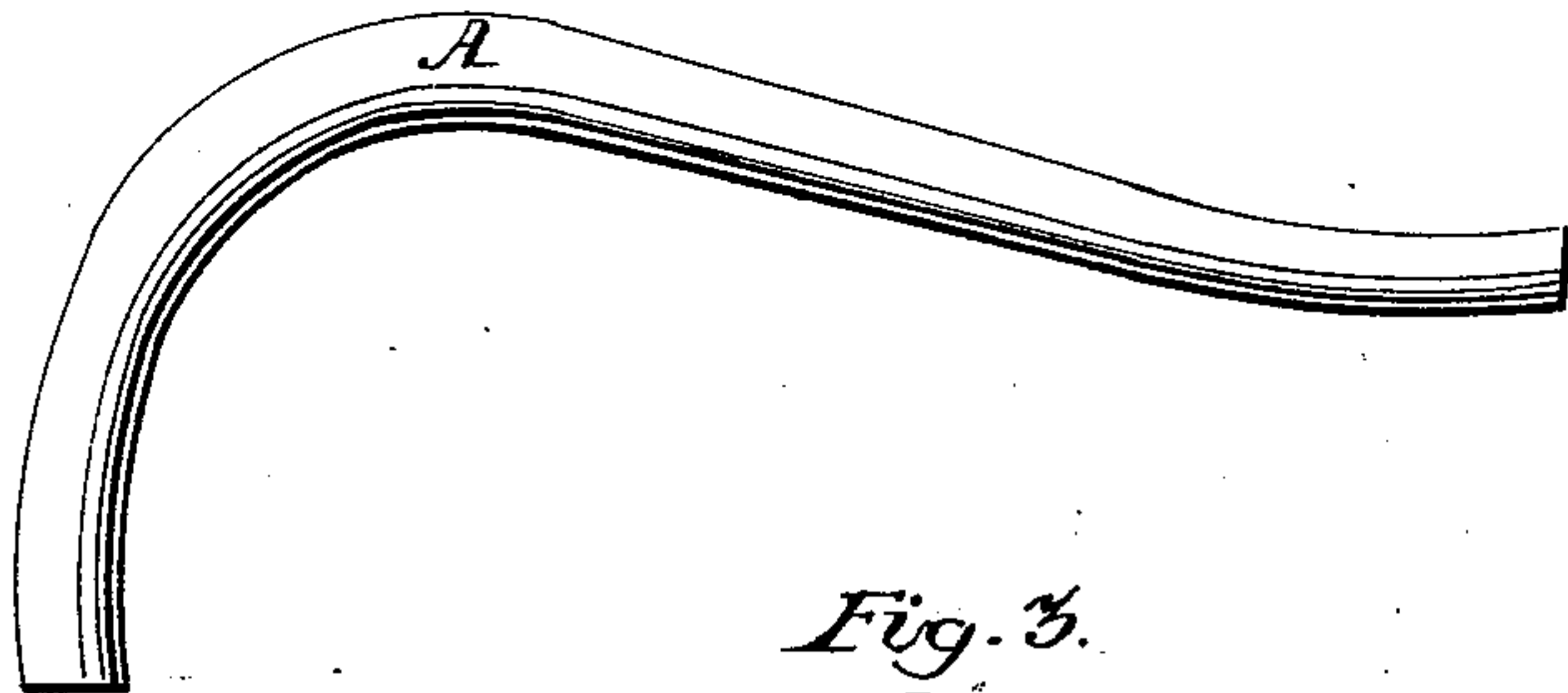
W. GILMAN.

Plow.

No. 67,188.

Patented July 30, 1867.

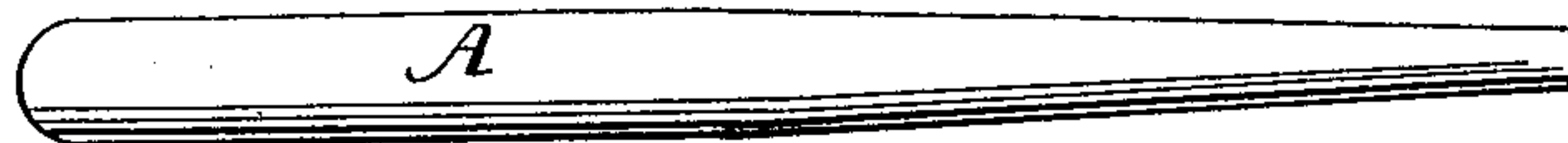
*Fig. 1.*



*Fig. 3.*



*Fig. 2.*



*Witnesses:*

*John H. Gilman*

*Patrick H. Common*

*Inventor:*

*Wm. Gilman*

United States Patent Office.

WILLIAM GILMAN, OF OTTAWA, ILLINOIS.

*Letters Patent No. 67,188, dated July 30, 1867.*

IMPROVEMENT IN PLOUGH-BEAMS.

*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, WILLIAM GILMAN, of Ottawa, in the county of La Salle, in the State of Illinois, have invented a new and improved Hollow Wrought-Iron Plough-Beam; 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.

The nature of my invention consists in the employment for the beam of a plough of a hollow and partly tapering wrought-iron pipe, which forms at the same time the standard for attaching the plough. This improvement is introduced with a view of securing greater strength with less weight and material than the ordinary wrought-iron beam plough.

Figure 1 is a vertical plan.

Figure 2 is a horizontal plan.

Figure 3 is a transverse section.

I form a pipe, A, of wrought iron, edge-welded in the same manner as gas pipe is usually made. From the middle to the end, which is to be the forward end of the plough-beam, this pipe is reduced to a gradual taper, in order to do away with unnecessary weight, as there is no great strain on that part of the beam. I then bend this wrought-iron pipe A to the shape shown in the drawing in such a manner that the thick end of the pipe A will form the standard to which the plough is attached. The handles are also attached to the same end of the pipe A in the same manner as in the ordinary wrought-iron beam plough.

What I claim as my invention, and desire to secure by Letters Patent, is—

The employment for plough-beams of a hollow and tapering wrought-iron pipe, substantially as described in the foregoing specification.

WM. GILMAN.

Witnesses:

JOHN H. GILMAN,

PATRICK H. CONNOR.