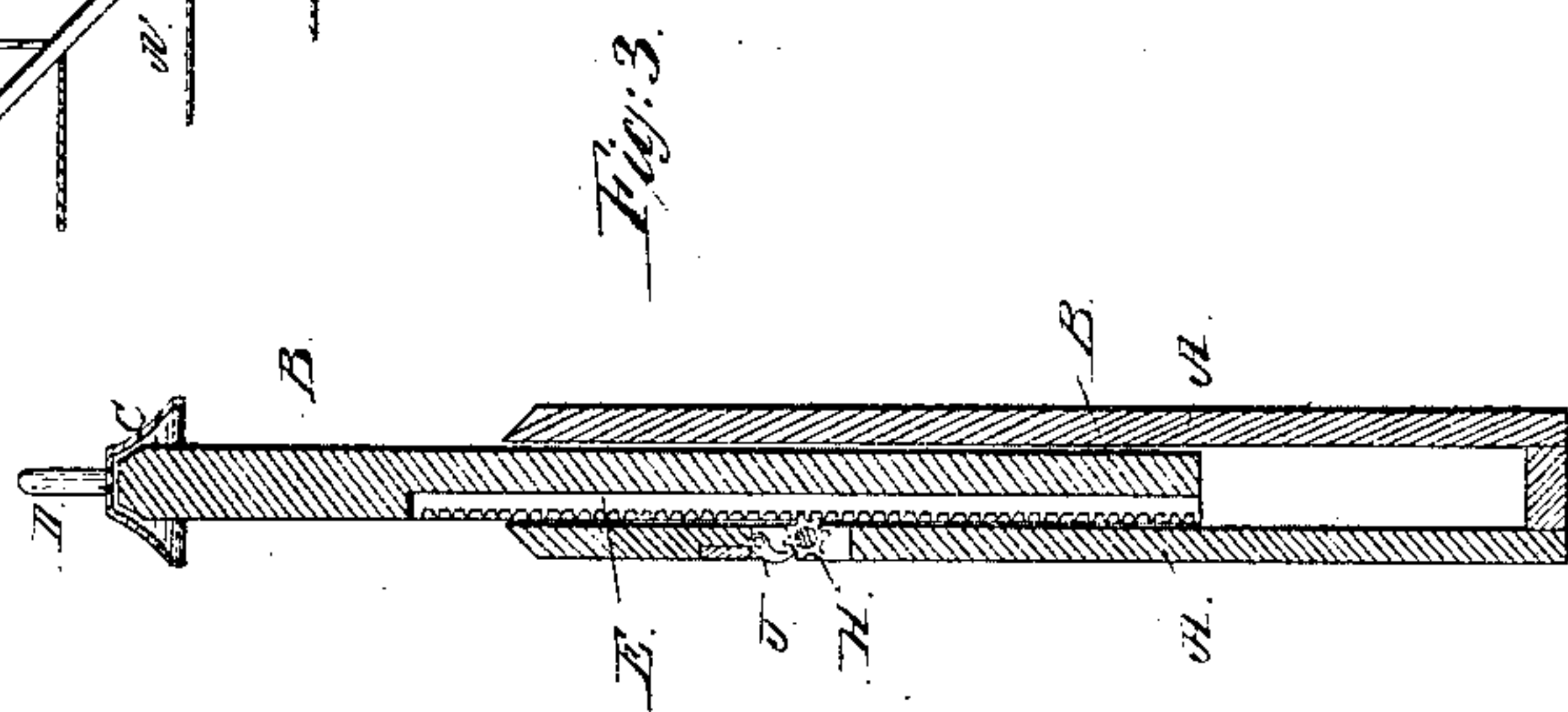
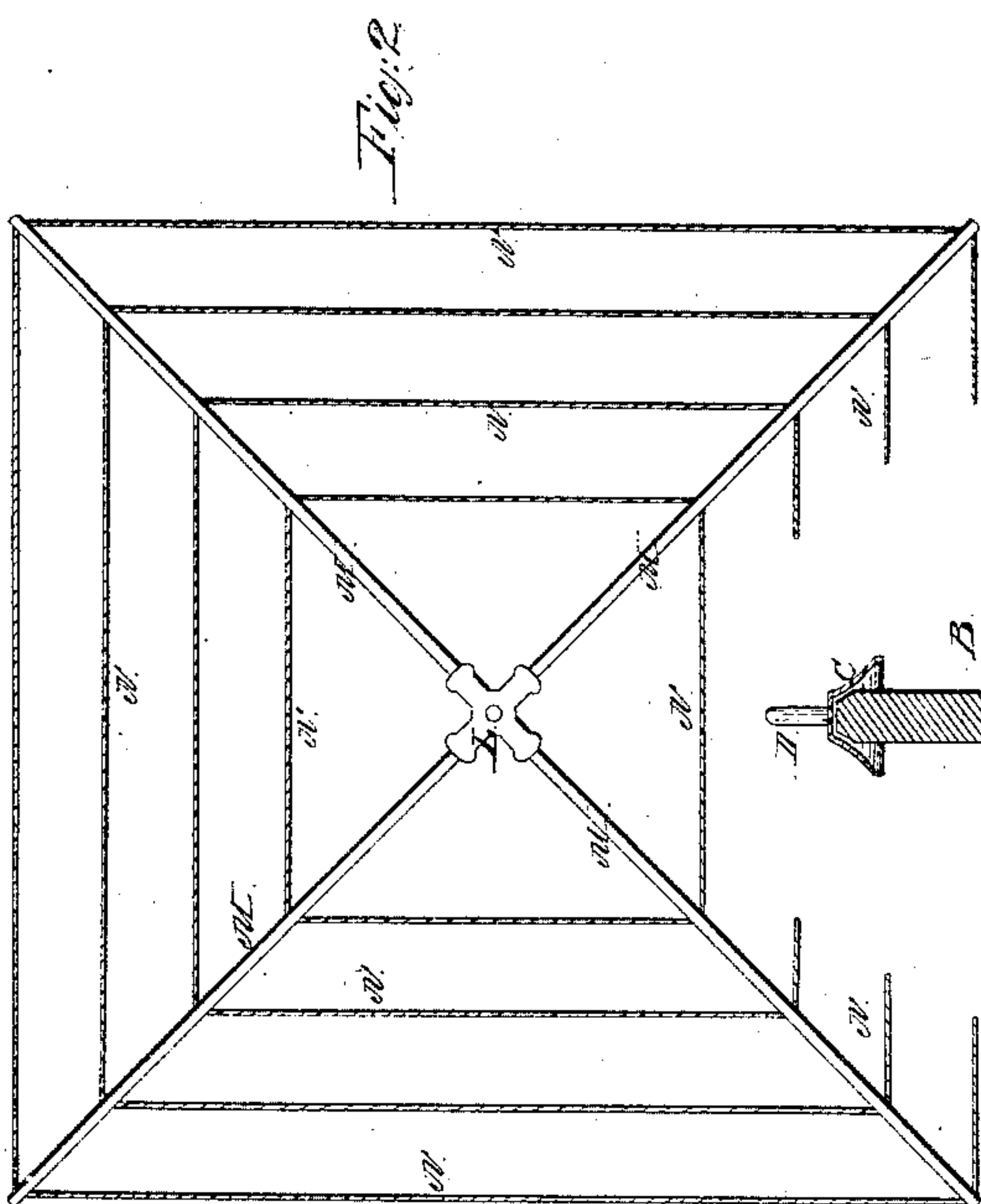
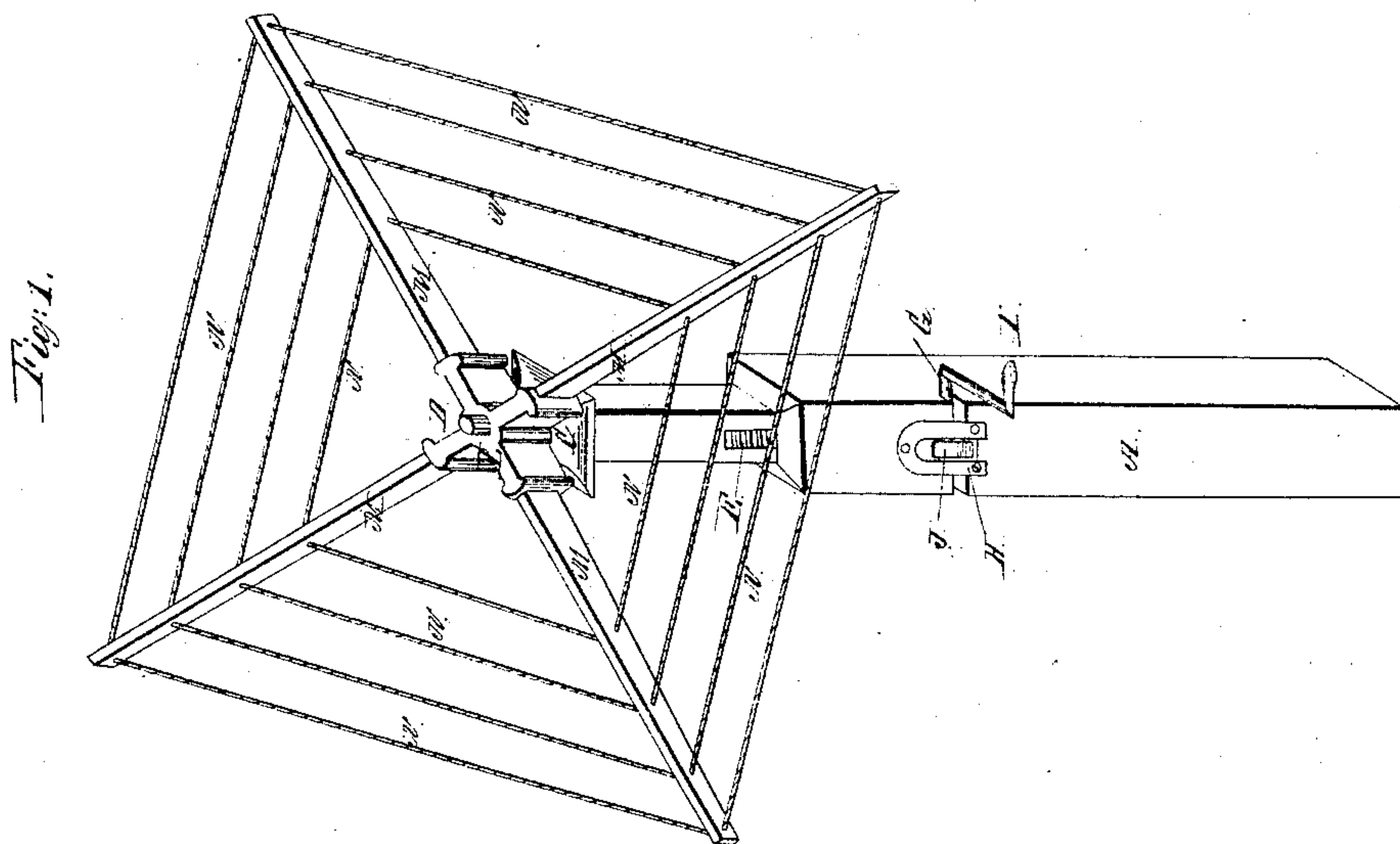


R. H. Oates

Clothes Drier.

N^o 59,527.

Patented Nov. 6, 1866.



Witnesses:

W. Morris Smith
Sydney C. Smith

Inventor:

Richard Oates
by his Attorney
Brown Combs & Co

UNITED STATES PATENT OFFICE.

RICHARD H. OATES, OF TORONTO, CANADA WEST.

IMPROVED CLOTHES-DRIER.

Specification forming part of Letters Patent No. 59,527, dated November 6, 1866.

To all whom it may concern:

Be it known that I, RICHARD H. OATES, of the city of Toronto, in the Province of Canada, have invented certain new and useful Improvements in Clothes-Driers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, through letters of reference marked thereon, forming part of this specification, in which—

Figure 1 represents a perspective view of my clothes-drier complete; Fig. 2, a plan or top view of the rotating frame with the lines attached; Fig. 3, a central vertical section of the post.

The same letters occurring on the several figures indicate corresponding parts.

This invention consists in the construction of a post working within a casing embedded a sufficient distance in the ground to steady it, and having cross-arms supported horizontally on the top of the inner post, which is made to rise and lower for the convenience of hanging and removing the clothes on the lines, and of elevating them out of reach of passers-by.

To enable others to make and use my invention, I will proceed to describe it with reference to the drawings, in which—

A represents the outer casing or hollow post, which consists of four planks about one and a half inch in thickness, eight feet long, and five inches wide, which are nailed together and form a post seven inches square on the outside, and having a hole three and a half inches square through the center. This hole should be tightly stopped at the bottom.

B represents a scantling three and a half inches square and eight feet long, which is fitted so as to slide easily up and down in the hollow post, and capped with a casting, C, which forms a roof to shoot off the wet when the inner post is at its lowest point. Extending upward from the center of this cap is a round iron rod, D, which forms the axis for the cross-head to which the lines are attached, which will be hereinafter more fully explained. One side of the scantling B is channeled for about six and a half or seven feet of its length from the bottom upward, and in this channel is tightly fitted or otherwise secured a cast-iron toothed rack, E, and in suitable journal-boxes in one side of the hollow post, at a convenient height from the ground, (the post being sunk about three feet below the surface,) is an axle, G, on which is

a pinion, H, gearing into the rack E, and having a crank, I, attached to one end, by which it may be turned.

J represents a pawl, which is hung upon suitable bearings above the pinion H, and engages with the teeth thereof, to prevent its rotation when it is desired to retain the inner post in an elevated position.

L is a cast-iron cross-head, with central hole vertically through it, fitting the iron pivot D on the top of the central post, B. The cross-arms of this casting are mortised or cored endwise toward the axis on which it rotates to receive the wooden arms M, which are firmly held in place by the clothes-lines N, stretched from one to another around the axis, any desired number of which may be used to afford line-room for the quantity of clothes to be dried.

When it is desired to hang up the clothes, the pawl J is withdrawn from the teeth of the pinion H, and the crank turned, which brings the central post down by the pinion gearing into the rack E, until the lines are brought within about five feet from the ground, or a convenient height for hanging the clothes on them. When they are all arranged the crank is to be turned to elevate the lines, so that the clothes shall be out of reach and not obstruct the passage beneath them. The pawl then engages with the teeth of the pinion, and holds the drier at the elevation desired, and, if advisable, a staple may be put into the post and the crank locked to it with a padlock, to prevent the possibility of any other person lowering the post and taking the clothes off the lines.

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

1. The combination of the casing A, post B, rack E, pinion H, pawl J, and cap C with the revolving cross-arms M, which carry the clothes-lines, all arranged and operating as herein set forth.

2. In combination with the posts A B, the roof-casting C, to prevent the rain from beating in between the inner and outer posts, substantially as described.

In testimony whereof I hereunto subscribe my name before two subscribing witnesses.

RICHD. H. OATES.

Witnesses:

ROBT. RODDY,
F. B. ORRIS.