

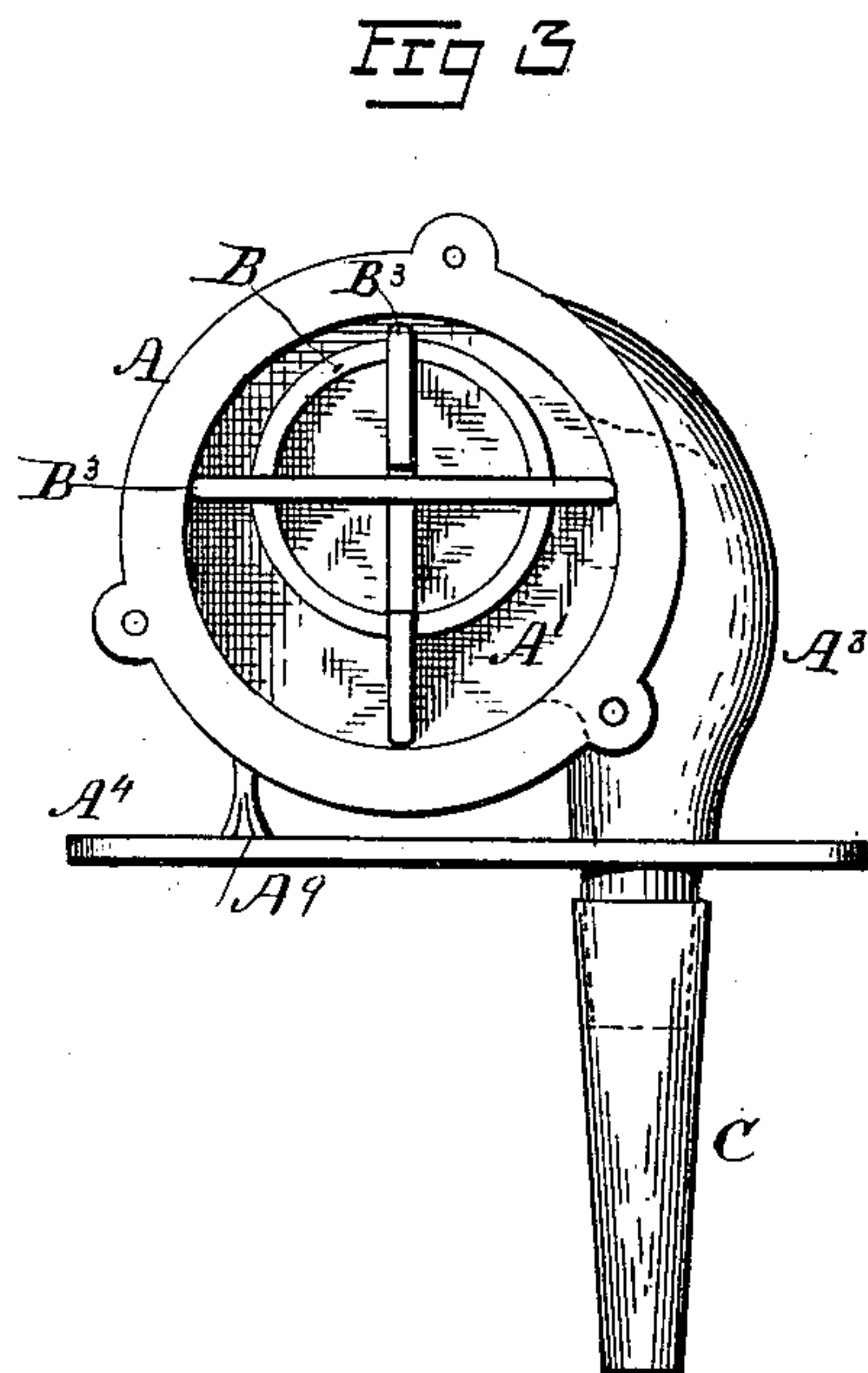
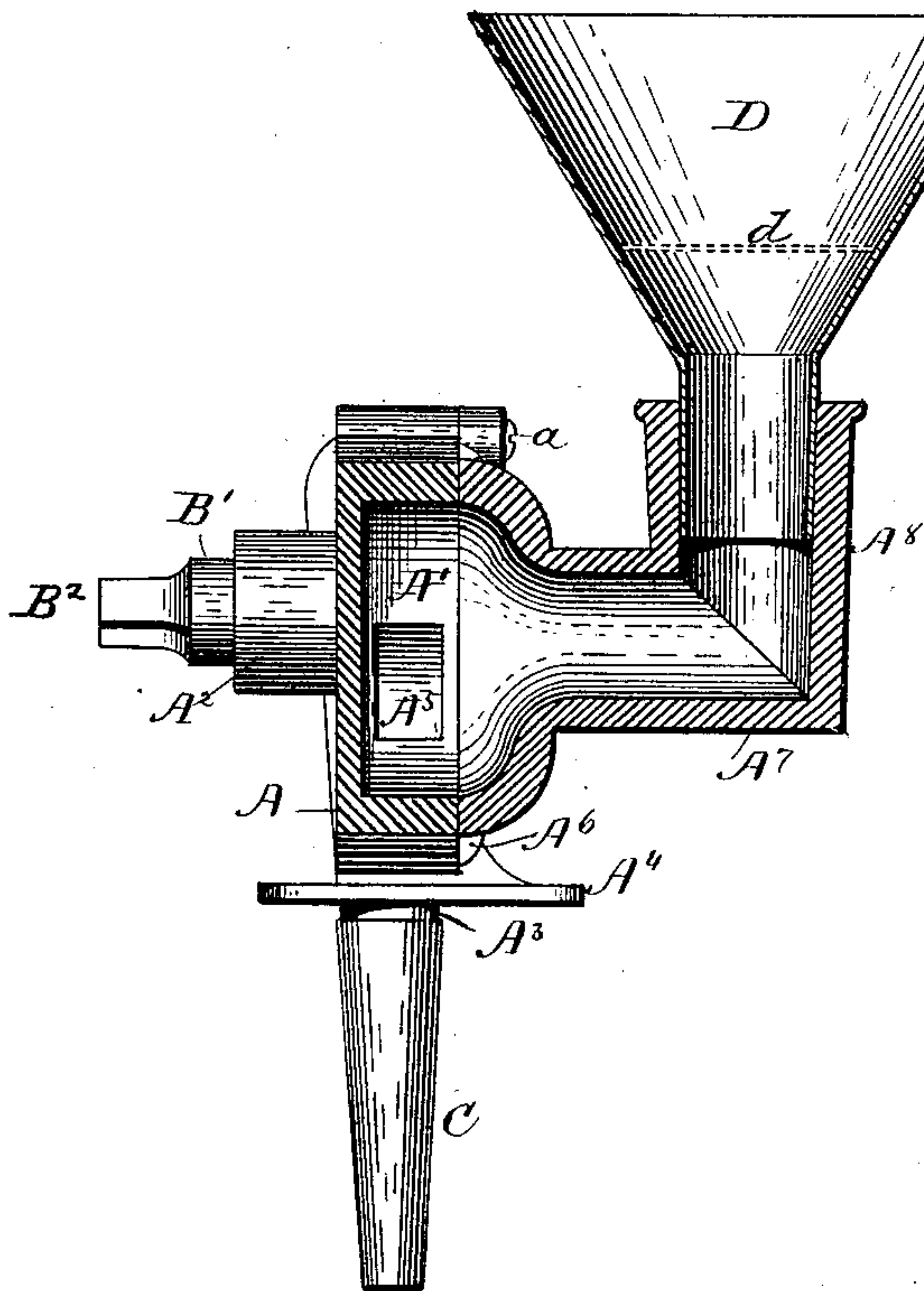
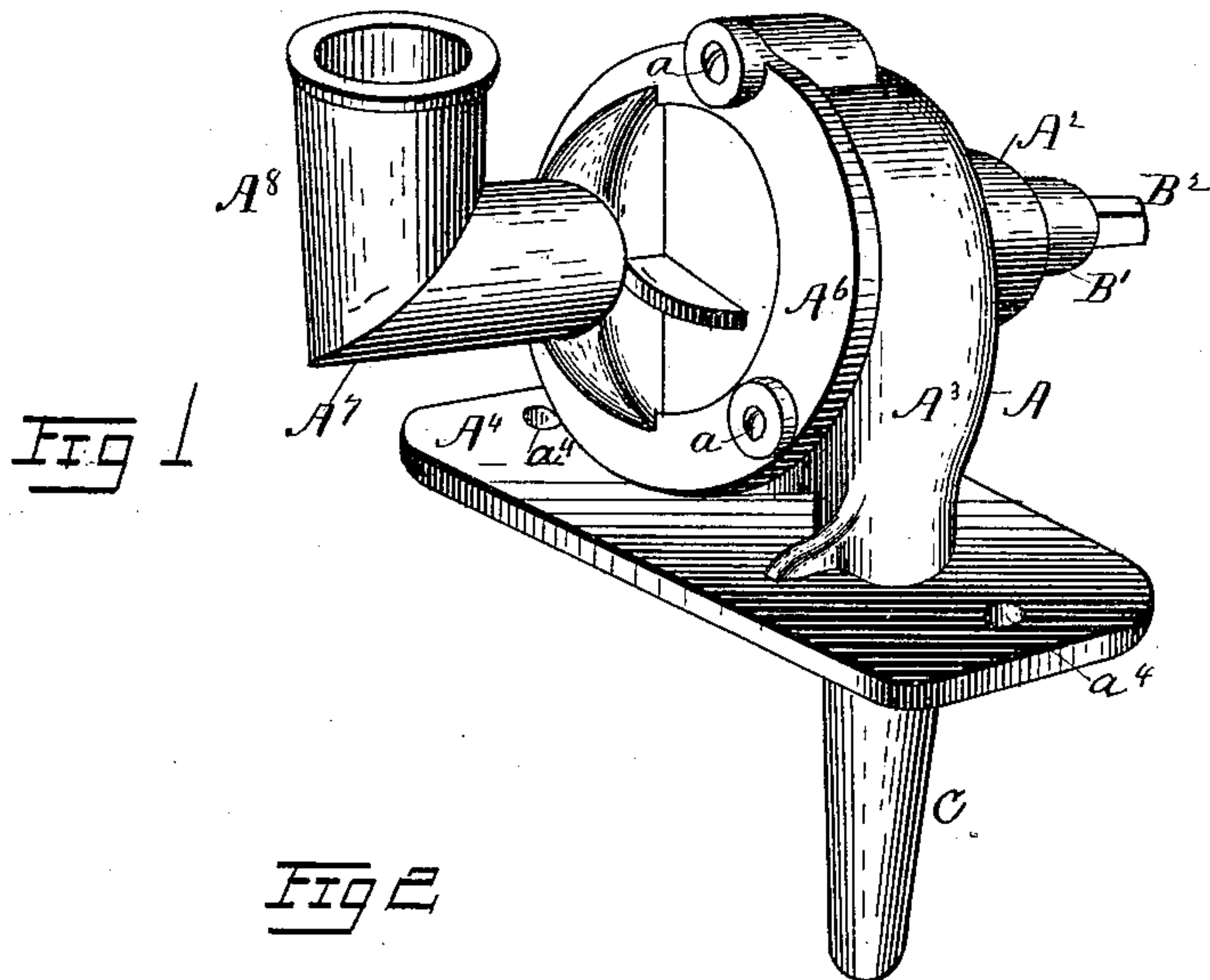
(No Model.)

H. HENKE.

FUNNEL FOR FORCING MOLASSES, &c.

No. 335,452.

Patented Feb. 2, 1886.



Witnesses:

O. C. Wurdeman.
W. B. Masson

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Henry Henke
by E. E. Masson
atty.

UNITED STATES PATENT OFFICE.

HENRY HENKE, OF HOUSTON, TEXAS.

FUNNEL FOR FORCING MOLASSES, &c.

SPECIFICATION forming part of Letters Patent No. 335,452, dated February 2, 1886.

Application filed August 1, 1885. Serial No. 173,247. (No model.)

To all whom it may concern:

Be it known that I, HENRY HENKE, a citizen of the United States, residing at Houston, in the county of Harris and State of Texas, have invented certain new and useful Improvements in Funnels for Forcing Molasses, &c., of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improvements in funnels for transferring molasses and other thick liquid and substances from one receptacle into bottles, jars, and other vessels; and the objects of my improvements are to provide a funnel with means for securing it to a table, counter, &c.; to provide said funnel with means for forcing a liquid therethrough and the forcing apparatus with a detachable spout thereunder. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the forcing apparatus and its delivery-spout. Fig. 2 is a vertical section through the apparatus, with the forcing-wheel removed to show the discharge-opening. Fig. 3 is a side view of the forcing apparatus and spout with the cap and funnel removed.

Similar letters refer to similar parts throughout the several views.

The forcing apparatus consists of a casting, A, having a cylindrical chamber, A', on one side, within which is eccentrically located a wheel, B, having one end closed and provided with a shaft, B', having its outer end made polygonal at B² to receive the socket of a crank-handle, by which the wheel can be revolved.

The casing A is provided with a hollow boss, A², to give a good bearing for the shaft B', and on one side it is provided with a discharge-pipe, A³, passing through the base-plate A⁴ of the apparatus, and extending thereunder a sufficient distance to receive upon it a spout, C, of tin, copper, or other sheet metal, that is thus removable and can be replaced by another having the desired taper and size of nozzle to enter the neck of any bottle.

The sides of the wheel B have slots parallel with its axis, into which are placed at right angles to each other two slats or paddles, B³, extending diametrically across the wheel

B, and substantially fitting against the walls of the chamber A' by sliding across each other along their centrally-notched portion, in the manner well known in rotary steam and water motors, and forcing the fluid in front of said paddles to the opening A⁵, leading into the discharge-pipe A³. The chamber A' is closed on one side by the plate A⁶, secured to the casing A by screws a, a packing-ring being generally interposed between the bearing-surfaces. Through the plate A⁶ there is an eccentric opening in communication with the horizontal pipe A⁷, cast with the elbow or vertical pipe A⁸. These pipes are of such size as to conduct a large stream into the forcing-chamber; and into the open mouth of the standing pipe A⁸ is placed the spout of a large funnel, D, into which the molasses can be easily poured. A strainer, d, is placed within the funnel to arrest any large size impurities that might otherwise clog the machine.

On account of the want of space in the drawings, the height or size of the funnel D appears much smaller in proportion to the machine than what is intended to be generally used to receive a quart or more of molasses or other viscid liquid.

To strengthen the connection between the hollow shell A and its base-plate A⁴, besides the discharge-pipe A³, the parts are also united by the prop A⁹, cast integral therewith.

To secure the device to a table or other supporting frame, the base-plate has perforations a⁴ for the passage of screws, bolts, or other fastenings.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with the funnel D, of the vertical pipe A⁸, horizontal pipe A⁷, having the face-plate A⁶, and chambered casting A, having the base-plate A⁴, integral therewith, the spout C, under said base-plate, and the forcing-wheel, substantially as and for the purpose described.

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

HENRY HENKE.

Witnesses:

CAMILLE G. PILLOT,
J. E. HADDON.