

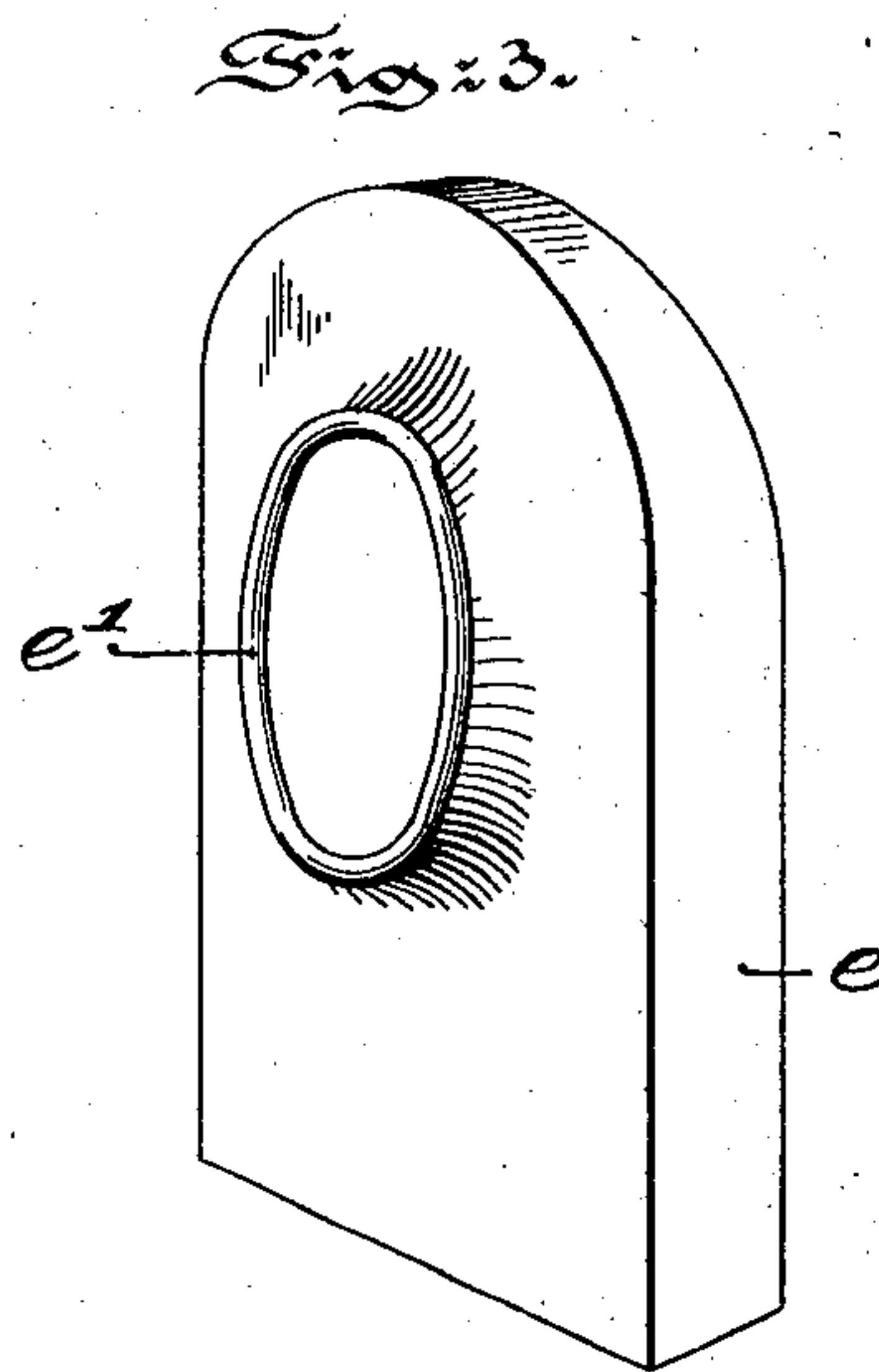
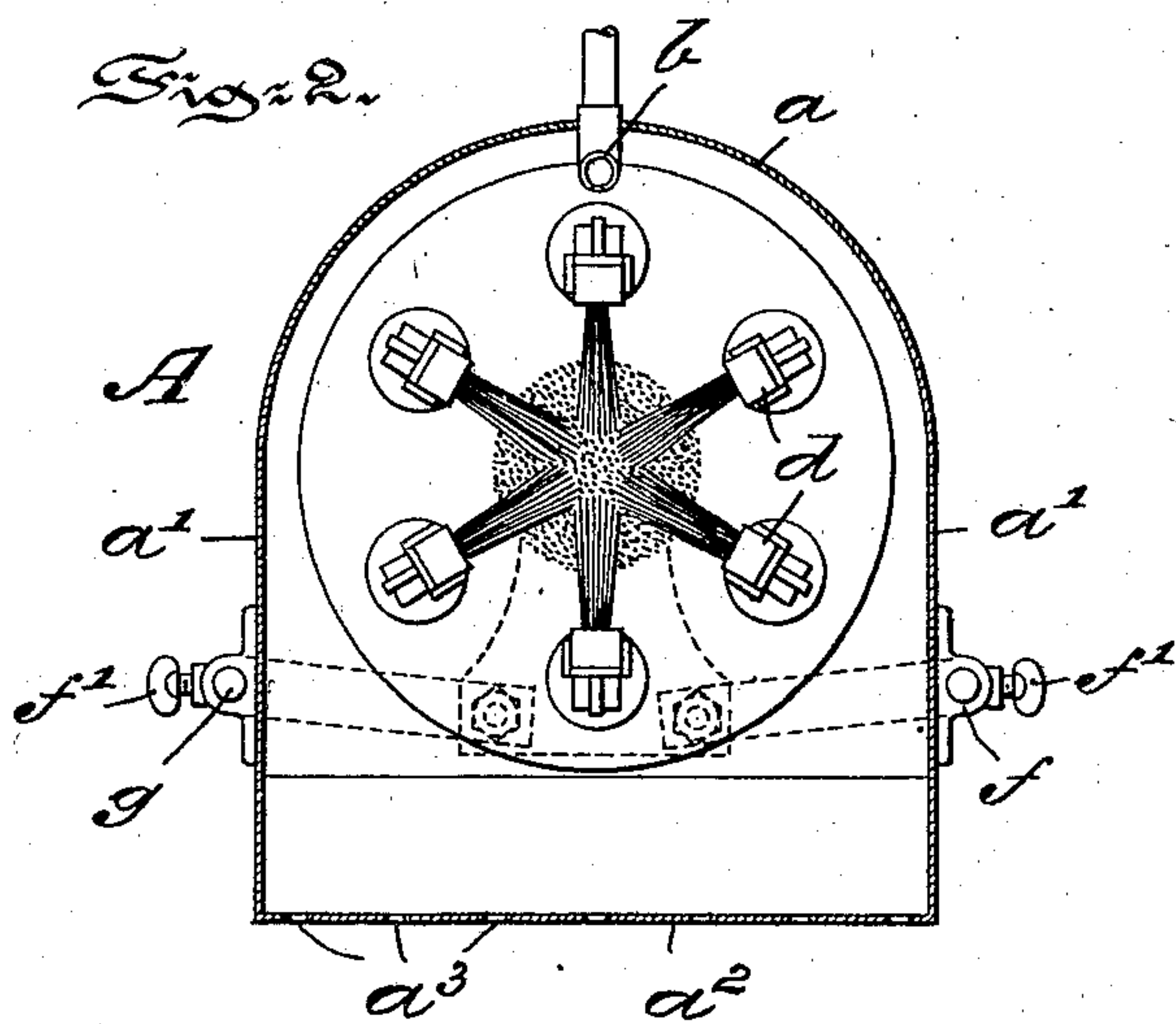
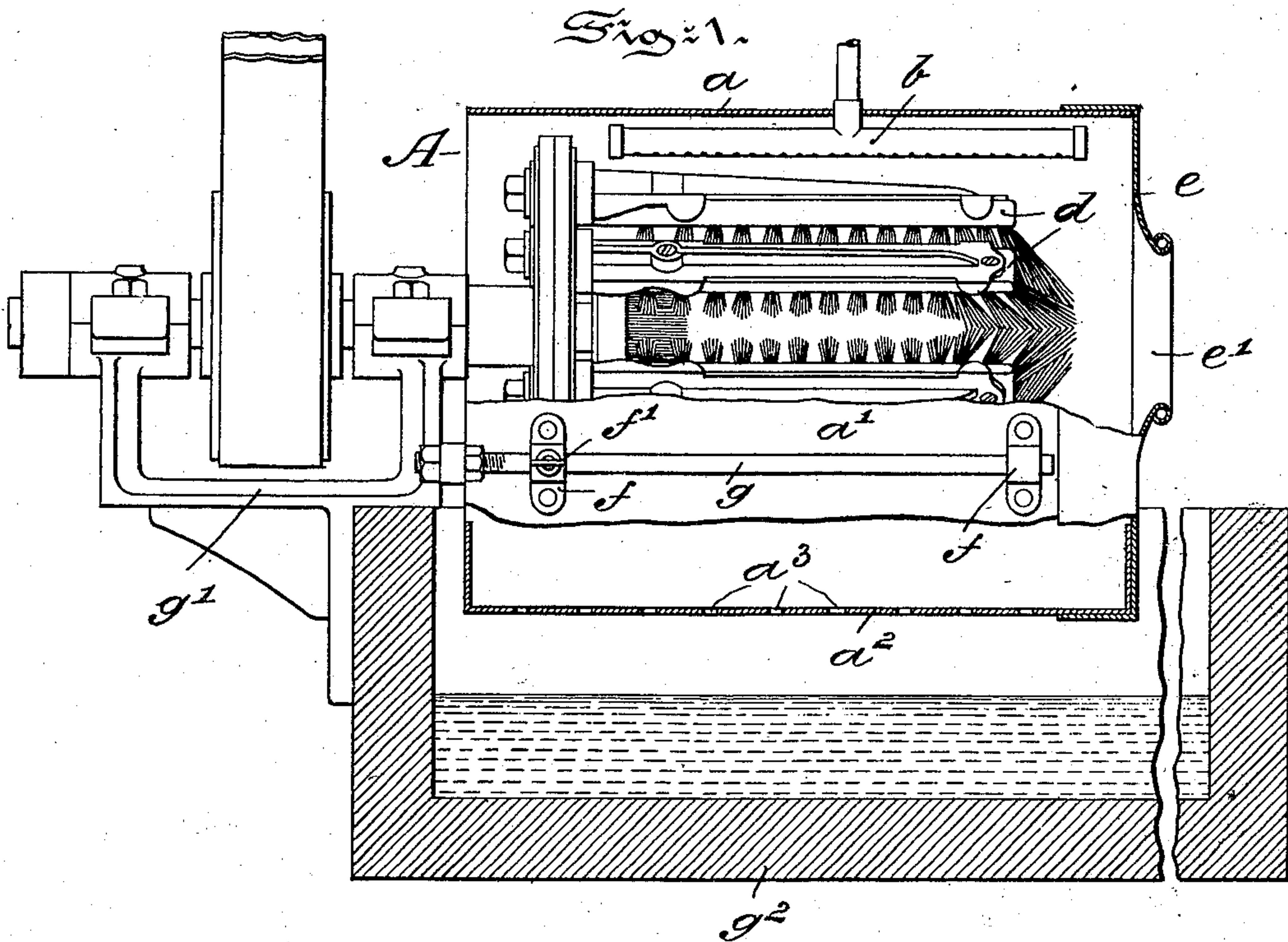
No. 702,063.

Patented June 10, 1902.

J. KAYSER.
BOTTLE WASHING MACHINE.

(Application filed Sept. 20, 1901.)

(No Model.)



Witnesses:
Wilhelm Vogt
Thomas M. Smith

Inventor:
Joseph Kayser,
By J. Walter Dwyer,
Attorney.

UNITED STATES PATENT OFFICE.

JOSEPH KAYSER, OF PHILADELPHIA, PENNSYLVANIA.

BOTTLE-WASHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 702,063, dated June 10, 1902.

Application filed September 20, 1901. Serial No. 75,763. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH KAYSER, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Bottle-Washing Machines, of which the following is a specification.

My invention has relation to a machine for washing the exterior of bottles and similar receptacles, and in such connection it relates to the construction and arrangement of parts constituting a casing surrounding the brushes and a tank wherein the brushes are flushed and the labels and other debris are collected.

The principal object of my invention is to provide in a bottle-washing machine a casing of simple construction surrounding the brushes and inclosing a water-distributing pipe for flushing the brushes, said casing having a perforated bottom through which the water may be discharged cleared of the paper, labels, and similar debris removed by the brushes, and said casing having a removable front lid having an opening or inlet for the bottle, which opening serves as a guide for the operator in the insertion of the bottle into the brushes.

The nature and scope of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is a view, partly in elevation and partly in longitudinal section, of the machine embodying main features of my invention. Fig. 2 is cross-sectional view on the line 2 2 of Fig. 1, and Fig. 3 is a perspective view of the removable lid for the front of the casing.

In a companion application filed of even date herewith and under the Serial No. 75,762 the brushes and the means for operating the same have been fully described and claimed.

My present invention relates to a casing for inclosing the brushes and other rotatable parts of the machine which are liable to be engaged in the introduction and withdrawal of the bottles. In the drawings this casing is illustrated as applied to a machine of the

type described and claimed in the accompanying application above referred to.

Referring to the drawings, A represents a casing formed, preferably, of sheet metal. In cross-section the upper or roof portion a of the casing A is arched. Its sides a' and base a^2 are preferably flat. The base a^2 is perforated, as at a^3 , to form a drain or colander to strain the larger impurities from the water used to cleanse the bottles. The roof a of the casing supports a water-distributing pipe b , arranged to supply to the rotating brushes d jets of water during the cleansing of the bottle.

The front of the casing A is closed by a removable lid e , having an opening e' , formed, preferably, by bulging out the lid e around a perforation. This opening e' is axially in alinement with the space surrounded by the brushes d and is provided for the guidance of the workman, who is thus enabled to accurately introduce the bottle without danger of the revolving parts injuring the hand.

Upon the sides a' of the casing A are arranged the clips f , adapted to receive the longitudinal rods g , projecting from the framework g' of the machine. When the rods g enter the clips f , the casing A will be properly supported. A thumb-nut f' serves to lock the casing to the clips f .

Below the perforated base a^2 of the casing is arranged a sink g^2 , into which the waste water flows and from which it may be discharged in any well-known way.

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

1. In a bottle-washing machine, a casing adapted to surround the brushes and other rotatable parts of the machine, said casing having a base provided with a series of perforations adapted to permit of the free passage of water from the casing and the retention of paper or other impurities within said casing, and a water-distributing T-shape device arranged within said casing.

2. In a bottle-washing machine, a casing adapted to surround the brushes and other rotatable parts of the machine, the roof of

said casing being arched and the base flat and perforated, in combination with a lid for the front of said casing having a laterally-projecting flange engaging the casing and an
5 opening arranged in alinement axially with the space between the brushes, and a water-distributing T-shape pipe arranged within said casing.

In testimony whereof I have hereunto set my signature in the presence of two subscribing witnesses.

JOSEPH KAYSER.

Witnesses:

J. WALTER DOUGLASS,
THOMAS M. SMITH.