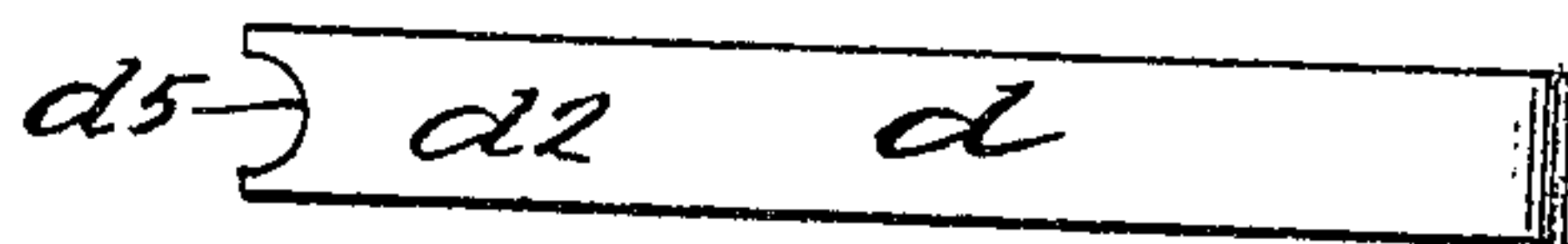
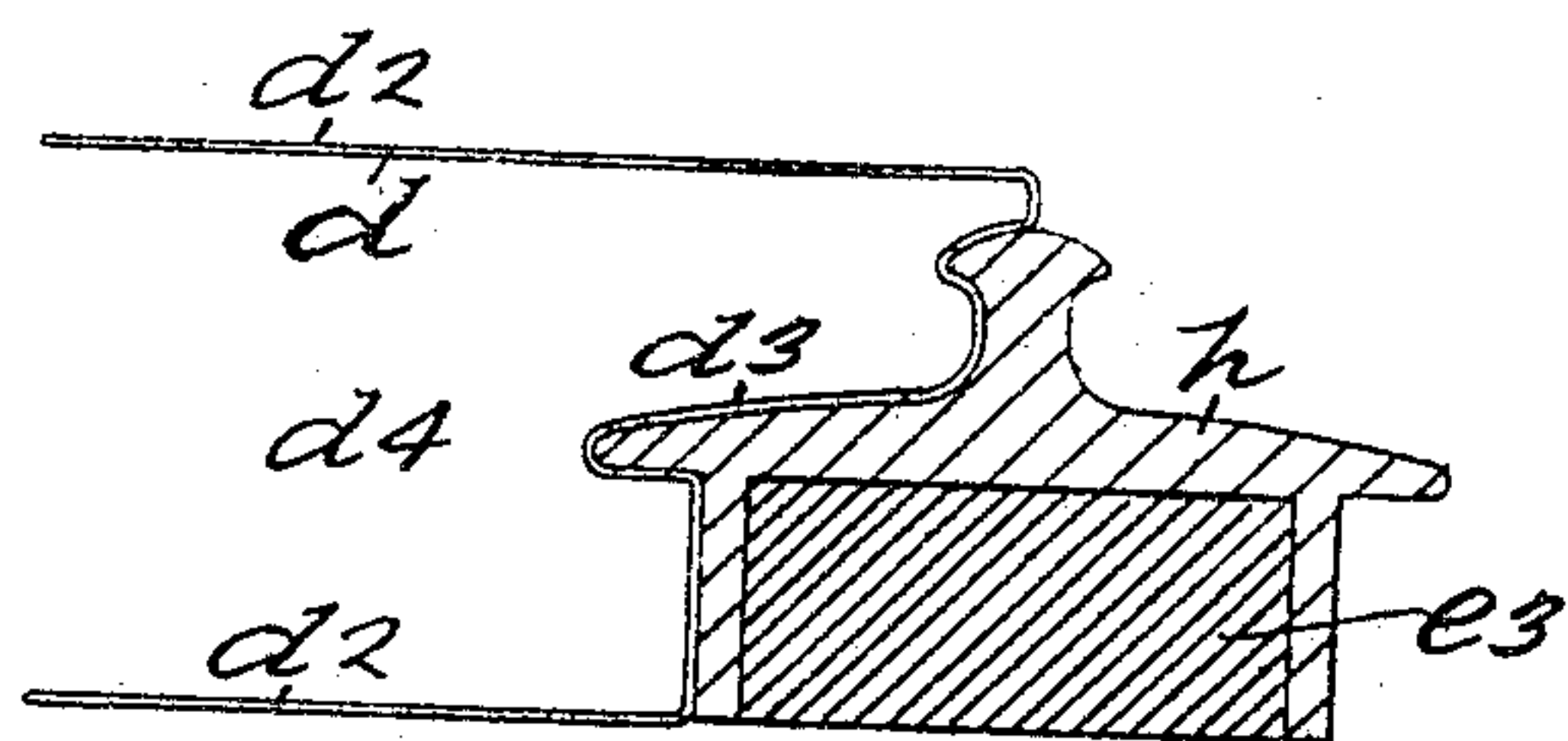
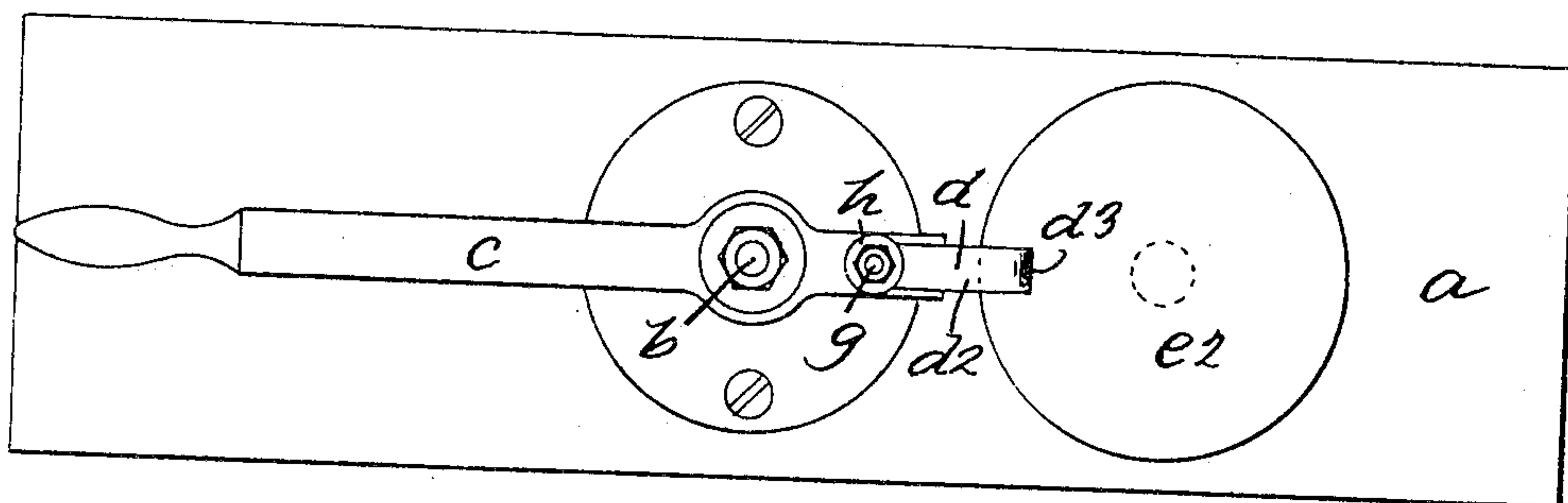
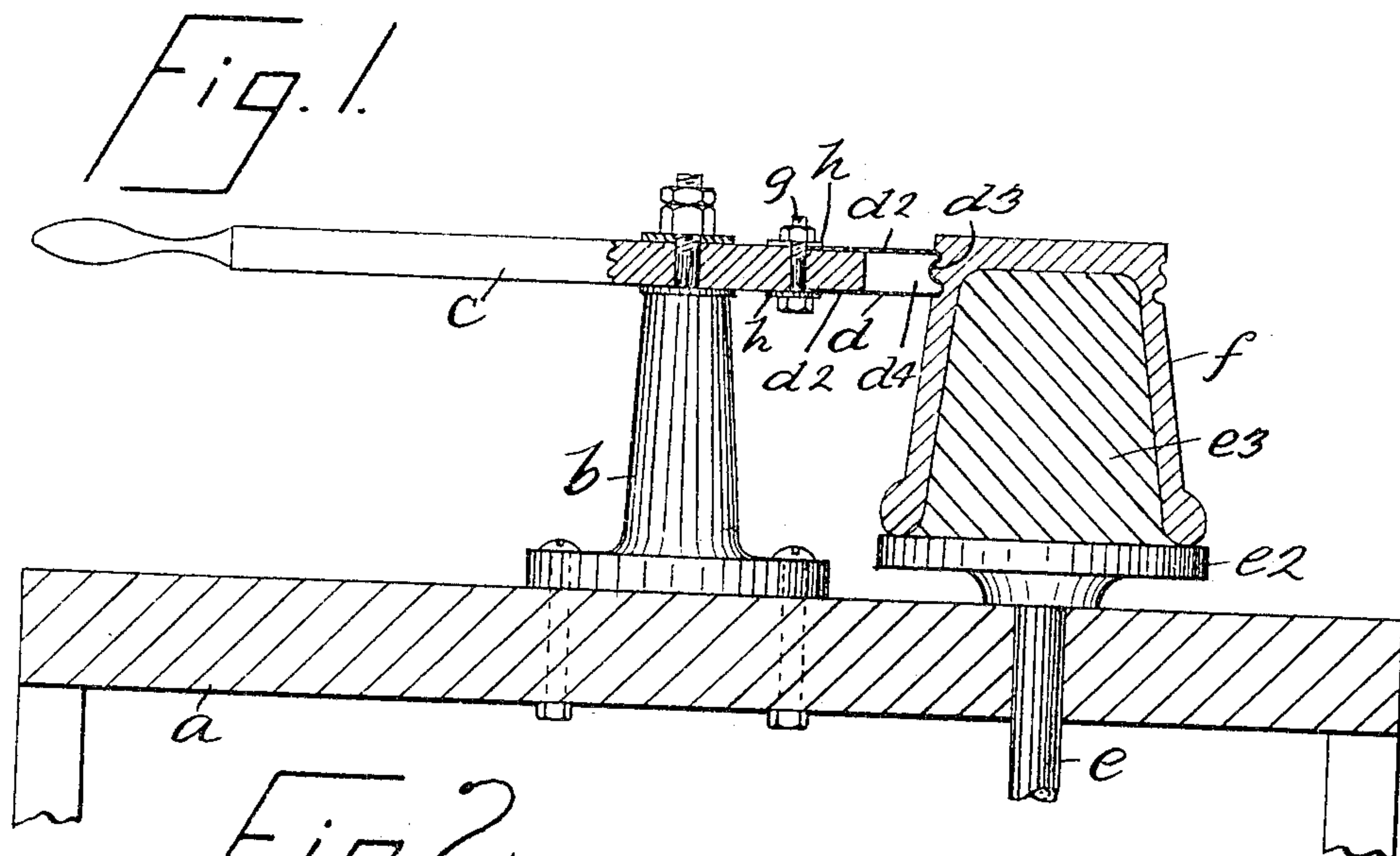


No. 819,170.

PATENTED MAY 1, 1906.

F. J. RIDGWAY, J. AYSLEY & F. HANCOCK.
DEVICE FOR ORNAMENTING EARTHENWARE ARTICLES.

APPLICATION FILED DEC. 6, 1905.



WITNESSES

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Fig. 3.

Fig. 4.

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DEVICE FOR ORNAMENTING EARTHENWARE ARTICLES.

No. 819,170.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed December 6, 1905. Serial No. 290,529

To all whom it may concern:

Be it known that we, FREDERICK JOHN RIDGWAY, JOSEPH AYNLEY, and FREDERICK HANCOCK, subjects of the King of Great Britain, residing at Stoke-upon-Trent, in the county of Stafford, England, have invented certain new and useful Improvements in Devices for Ornamenting Earthenware Articles, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to improved apparatus or devices for use in ornamenting earthenware mugs and other articles by forming ogee or other grooves, ribs, and the like around said articles and also for shaping teapot-covers and similar articles formed from clay or similar material; and the object of the invention is to provide improved apparatus or devices of this class which dispense with the horizontal lathes and similar tools usually employed for this purpose and which are simple in construction and operation and may be easily and conveniently manipulated at a less cost than other devices or apparatus of this class or for this purpose heretofore employed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of our improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a sectional side elevation of a complete apparatus embodying our invention and showing the method of the operation thereof; Fig. 2, a plan view thereof; Fig. 3, a side view showing the method of finishing or ornamenting the cover of a teapot or similar vessel, and Fig. 4 a plan view of a part of the device shown in Figs. 1 and 2 detached.

In the practice of our invention we provide a suitable table or support *a*, to which is secured an upright or standard *b*, on the top of which is pivoted an arm *c*, which is adapted to be swung in a horizontal plane, and said arm *c* is provided at one end with a profile former, cutter, or ornamentor *d*. Mounted in the table or support *a* adjacent to the upright or standard *b* is a vertically-arranged shaft *e*, and in practice the shaft *e* is rotated, and any suitable means may be provided for this purpose. The upper end of the shaft *d*

is provided with a table or head *e*², on which in practice is placed a mold or holder *e*³, composed of plaster-of-paris, clay, or any suitable material and connected with the table or head *e*² in any desired manner, and which is so formed as to snugly fit the interior of a goblet or mug *f* or any other article which it is desired to place thereon so as to rotate or turn with the shaft *e*.

The tool *d*, which constitutes the profile cutter or former, is preferably composed of a strip of sheet-steel bent into yoke shape, so as to form two parallel sides *d*², connected by a cross-head member *d*³, which is curved transversely in the form of construction shown, so as to form an ogee curve, and the goblet or mug *f* in practice while in the plastic condition is placed on the head *e*² of the shaft *e* and is turned with said shaft. In this operation the arm *c* is manipulated in such manner that the profile former or cutter *d* will cut a groove around the base of the goblet or mug *f*, which is ogee-shaped in cross-section, this being the form of the end of the profile-cutter shown in the drawings. It will be apparent, however, that the ornamental grooves cut around the base of the goblet or mug *f* may be made of any desired shape in cross-section by correspondingly forming the end of the profile former or cutter *d*.

By constructing the profile former or cutter *d* in the manner described there is a transverse opening *d*⁴ between the end thereof and the end of the arm *c*, and this enables the material cut from the goblet or mug *f* to pass through the cutter or former *d* and prevent the clogging thereof.

In Fig. 4 the side members *d*² of the former or cutter *d* are shown as provided in the end thereof with recesses *d*⁵, through which a bolt *g* may be passed in securing said former or cutter to the arm *c*, and in this connection washers *h* are also employed, which aid the bolt in holding the former or cutter on said arm; but our invention is not limited to any particular means for securing the former or cutter to the arm *c*, and any suitable devices may be employed for this purpose.

In Fig. 3 we have shown a modification of the former or cutter in which the cross-head member *d*³ thereof is so formed as to give a predetermined shape or profile to the cover *h* of a teapot or other vessel, and it will be apparent that the end portion *d*³ of the cutter or

profile-former may be given any desired form, and our invention is not limited to any particular form or shape of the cutter *d*, and in some cases the said cutter may be formed
5 integrally with the arm *c*, if desired.

It will also be apparent that any kind or class of vessels composed of pottery or similar material may in this manner be ornamented by circularly or annularly arranged
10 grooves or figures of any desired shape in cross-section, and changes in and modifications of the construction herein described may be made without departing from the spirit of our invention or sacrificing its ad-
15 vantages.

Having fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. An apparatus of the class described,
20 comprising a suitable support, a standard mounted thereon, an arm mounted on said standard and adapted to swing in a horizontal plane and provided at one end with a cutter, and a rotatable holder mounted on said
25 support adjacent to said standard, substantially as shown and described.

2. In an apparatus of the class described, an arm pivoted to swing in a horizontal plane and provided at one end with a former, and
30 a rotatable holder mounted adjacent to said arm and adapted to support a goblet or other article to be operated on by said former, substantially as shown and described.

3. In an apparatus of the class described,
35 a pivoted arm adapted to swing in a horizontal plane provided at one end with a cutter or former composed of sheet metal bent into

yoke shape, substantially as shown and described.

4. An apparatus of the class described, 40 comprising a frame, a rotatable support mounted thereon, an arm-support mounted adjacent to the rotatable support, and an arm pivotally mounted on said arm-support and adapted to swing in a horizontal plane, 45 substantially as shown and described.

5. An apparatus of the class described, comprising a frame, a rotatable support mounted thereon, an arm-support mounted adjacent to the rotatable support, and an 50 arm pivotally mounted on said arm-support and adapted to swing in a horizontal plane, and provided with a cutter or former composed of sheet metal bent into yoke shape, substantially as shown and described. 55

6. In an apparatus of the class described, a support, a rotatable holder mounted thereon and adapted to support a goblet or other article, and an arm mounted over said support and adapted to swing in a horizontal 60 plane and provided at one end with a cutter or former adapted to operate on the outer surface of the goblet or other article, substantially as shown and described.

In testimony that we claim the foregoing 65 as our invention we have signed our names, in presence of the subscribing witnesses, this 10th day of November, 1905.

FREDERICK JOHN RIDGWAY.

JOSEPH AYNLEY.

FREDERICK HANCOCK.

Witnesses:

THOMAS JOHN HEAPHY,

THOMAS COOPER.