

APPLICATION FILED JULY 24, 1909.

Patented July 12, 1910.



High Alt
Wm Bagger

Inventor

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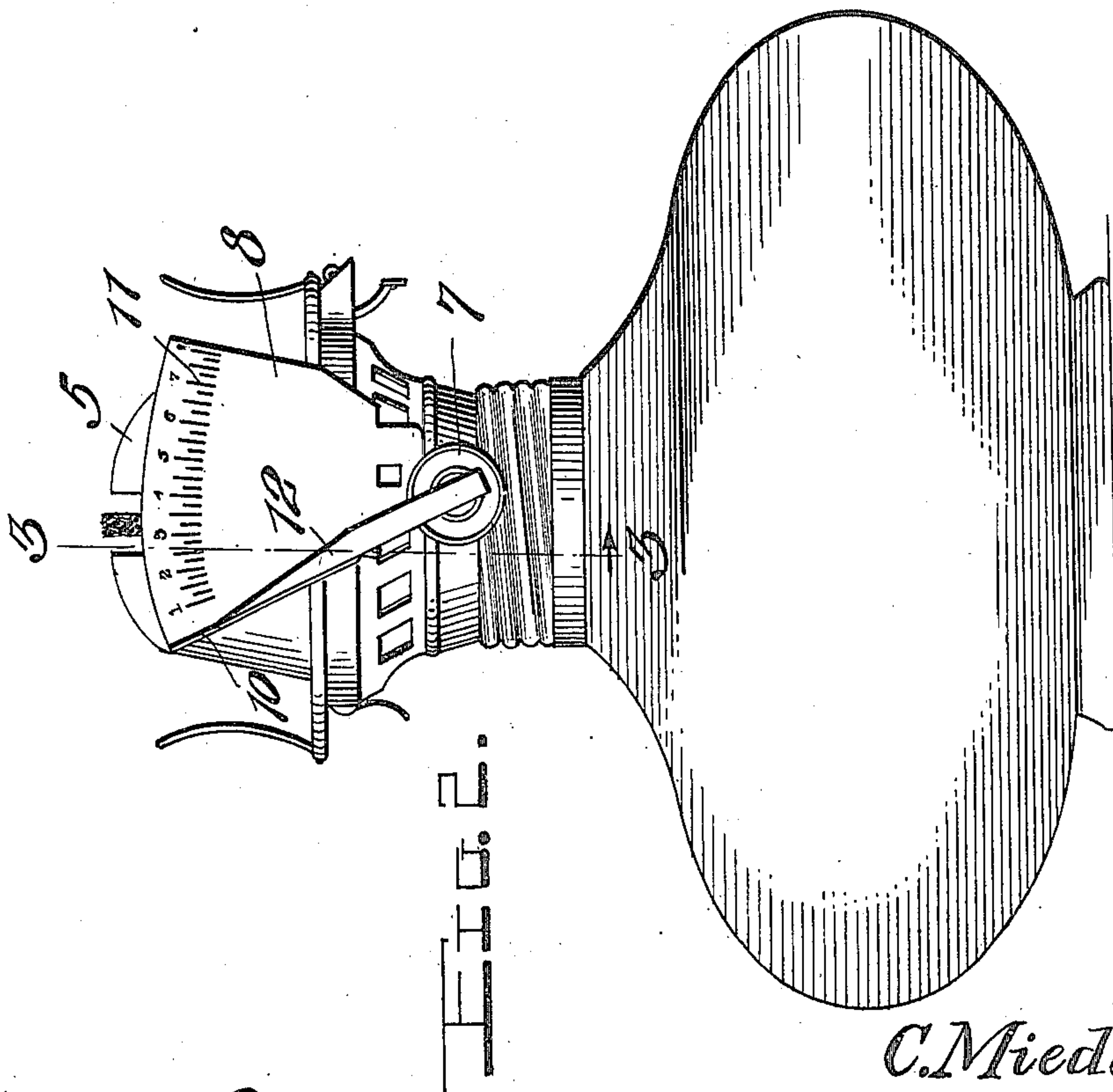
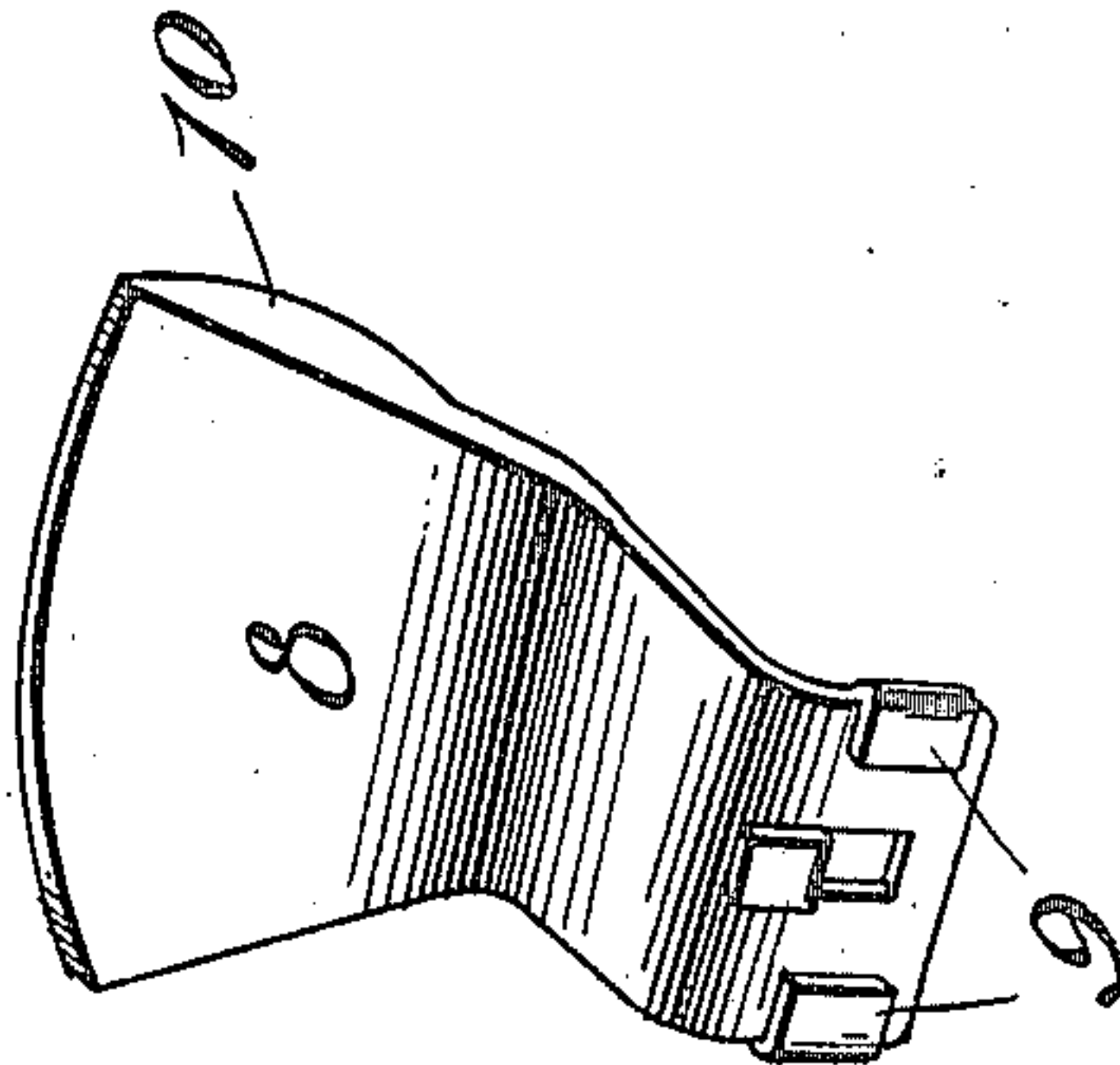
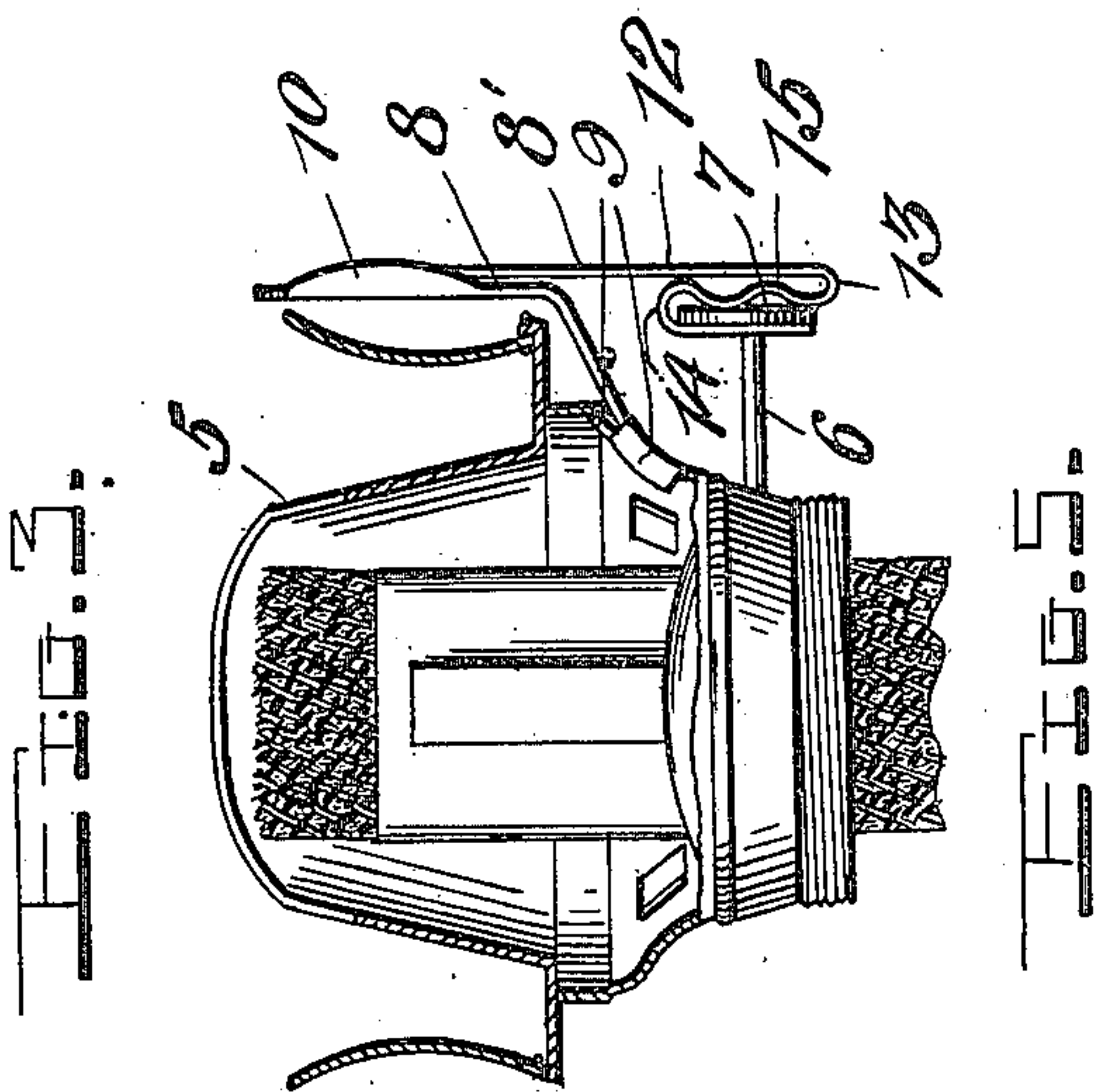
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BURNER ATTACHMENT.
APPLICATION FILED FEB. 28, 1910.

964,292.

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2 SHEETS—SHEET 2.



Witnesses
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UNITED STATES PATENT OFFICE.

CLARENCE MIEDEL, OF SHORT CREEK, WEST VIRGINIA.

BURNER ATTACHMENT.

964,292.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CLARENCE MIEDEL, a citizen of the United States, residing at Short Creek, in the county of Brooke and State of West Virginia, have invented certain new and useful Improvements in Burner Attachments, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to lamp attachments and has for its object to provide an attachment for oil lamps particularly designed with a view to its use upon incubators and brooders where a certain temperature must be maintained, the device assuring the same extent of flame from the wick of the lamp before and after trimming the wick.

Another object of the invention is to produce a device of the above character which is attachable to any of the various dials of oil lamps and which is of simple construction, efficient in operation and may be produced at a low cost.

With these and other objects in view, the invention consists of the novel features of construction, the combination and arrangement of parts hereinafter fully described and claimed, and illustrated in the accompanying drawings, in which,

Figure 1 is a side elevation of a lamp burner having my attachment applied thereto; Fig. 2 is a similar view showing the position of the indicating pointer when the wick has been adjusted for trimming; Fig. 3 is a section taken on the line 3—3 of Fig. 2; Fig. 4 is a top plan view, the cover of the burner being raised; Fig. 5 is a detail perspective view of the dial plate detached; and Fig. 6 is a similar view of the pointer.

Referring more particularly to the drawings 5 indicates the burner which is of any approved construction and is provided with a wick adjusting stem 6 the outer end of which is formed with a knurled head 7.

Secured to the side of the burner and immediately above the adjusting stem is the dial plate 8. This plate is shown in detail in Fig. 5 and it will be noted that the same is considerably reduced in width at its lower end and is formed with tongues 9 struck outwardly therefrom. These tongues are adapted to be positioned through ornamental apertures formed in the burner casing and are bent over upon the inside of the same

thus securing the dial plate in position without necessitating the use of screws rivets or other attaching means. This dial plate extends outwardly and upwardly from the side of the burner and has its body portion vertically disposed as shown at 8', said body portion being formed upon one of its edges with a stop flange 10 which is adapted to limit the movement of the indicating pointer as will be later set forth. This dial plate is graduated as shown at 11, the graduations being divided and suitably designated by numerals.

The indicating pointer 12 shown in detail in Fig. 6 is formed from a single length of resilient sheet metal, one end of this strip of sheet metal is tapered to a point and the other end of said strip is bent upon itself as shown at 13. A second bend 14 is then formed adjacent to the extremity of the strip, and that portion of the strip between the bends 13 and 14 is corrugated as shown at 15, said corrugations bearing upon the outer face of the knurled head 7 and the wick adjusting stem. The extremity of said strip is disposed upon the opposite face of the head and is formed with an open ended slot 16 which receives the stem 6. The major portion of the pointer extends upwardly over the face of the dial plate, the tapered end thereof being positioned over the series of graduations marked thereon.

In the use of my improved attachment, when it is desired to trim the wick of the lamp, the operator turns the adjusting stem by grasping the head 6 until the pointer is moved to a position about midway between its present position and the stop flange 10 provided upon the edge of the dial plate. The head 7 is then firmly grasped to hold the adjusting stem against rotation and the indicating pointer is moved into engagement with the stop flange 10. The cover of the burner is then opened and the wick suitably trimmed after which the adjusting stem is turned until the indicating pointer 12 is disposed in its previous original position. Thus the wick is disposed the same extent above the top of the burner as it was before being trimmed and the same breadth of flame is secured and consequently the same volume of heat will be generated.

From the foregoing it will be seen that I have produced a very useful attachment which is of primary importance in the oper-

ation of incubators and brooders and all instances where a constant temperature is essential. The device is extremely simple, may be readily attached to any of the various makes of lamps and is highly efficient in its operation. As it is constructed entirely from sheet metal it will be obvious that the same may be produced at a very low cost and will be extremely durable and serviceable in practical use.

While I have shown and described the preferred form of my invention, it will be understood that the same is susceptible of numerous minor modifications without departing from the spirit or sacrificing any of the advantages thereof.

Having thus described the invention what is claimed is:—

1. An attachment of the character described comprising a graduated dial plate adapted to be secured to the burner of a lamp, a stop flange formed upon one edge of said plate, an indicating pointer bent upon itself at one end having resilient clamping engagement upon the opposite faces of the head of the wick adjusting stem, said pointer being moved with said stem over the face of the dial plate and also adapted to be independently moved into engagement

with said stop flange, substantially as and for the purpose set forth.

2. An attachment of the character described comprising a dial plate adapted to be secured to the burner of a lamp and vertically disposed at one side of the stem, said plate having a stop flange formed on one edge, and a pointer formed from a strip of resilient sheet metal bent upon itself in opposite directions adjacent to one end, said strip being corrugated between the bends thereof for engagement upon the outer face of the head of the wick adjusting stem, the extremity of said strip being disposed upon the other face of said head and formed with a slot therein to receive said stem, said pointer being movable with the stem over the face of the dial plate and also adapted to be moved independent of said stem into engagement with said stop flange, substantially as and for the purpose set forth.

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

CLARENCE MIEDEL.

Witnesses:

J. MELVIN RICHARDSON,
JOHN B. HOGG.