

(No Model.)

B. R. HUGHES.
TRACE HOLDER.

No. 286,701.

Patented Oct. 16, 1883.

FIG. 1

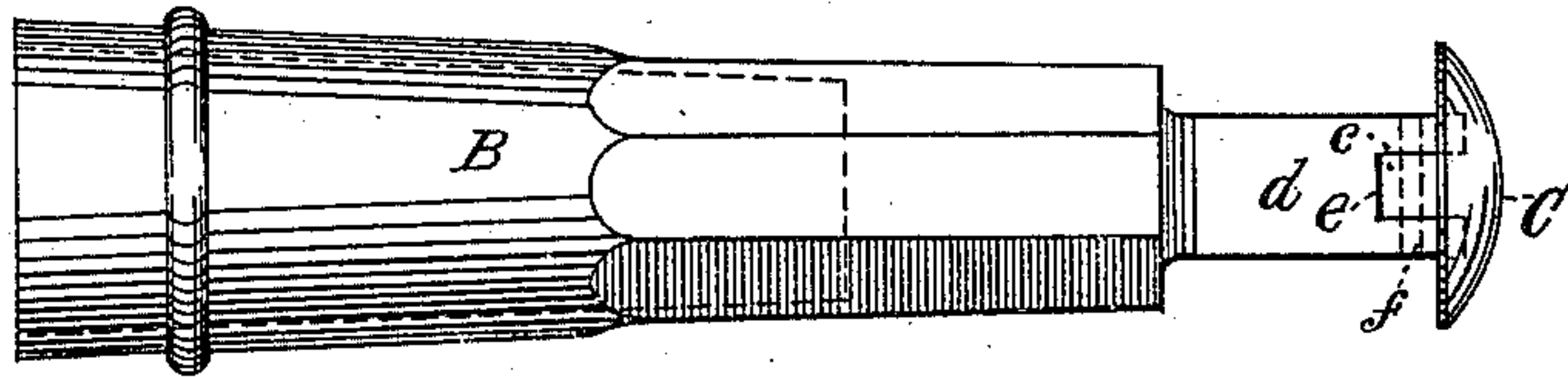


FIG. 2

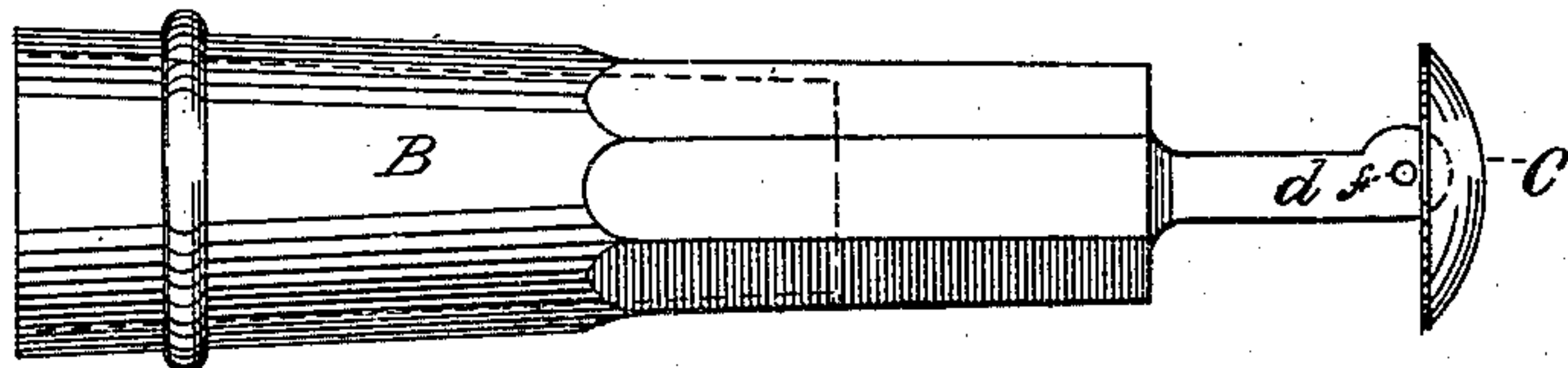


FIG. 3

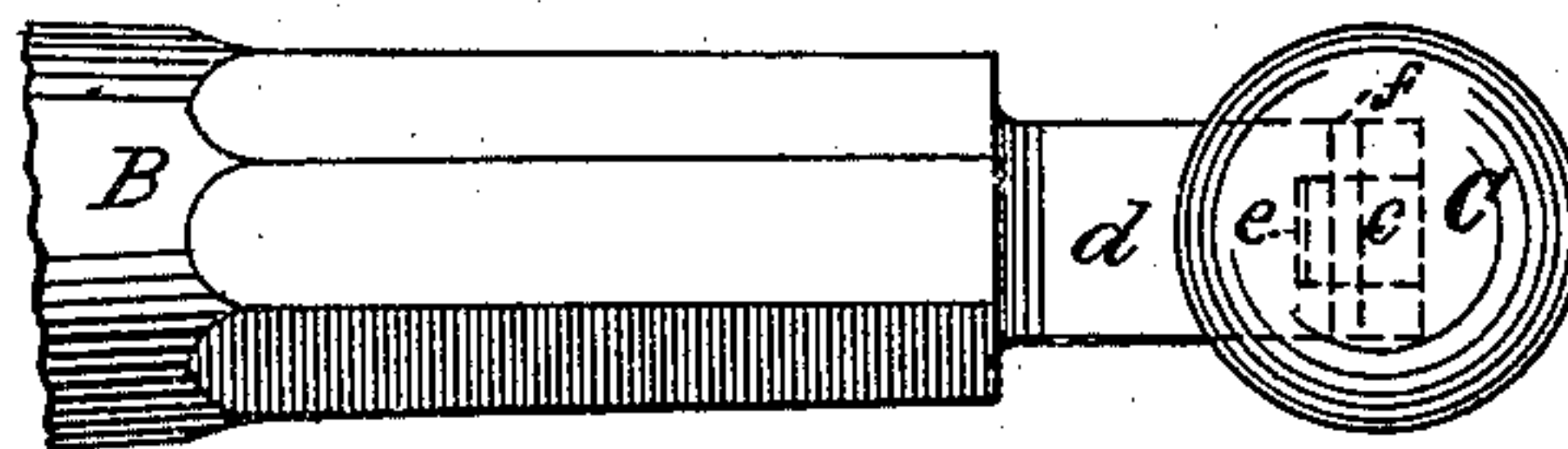


FIG. 4

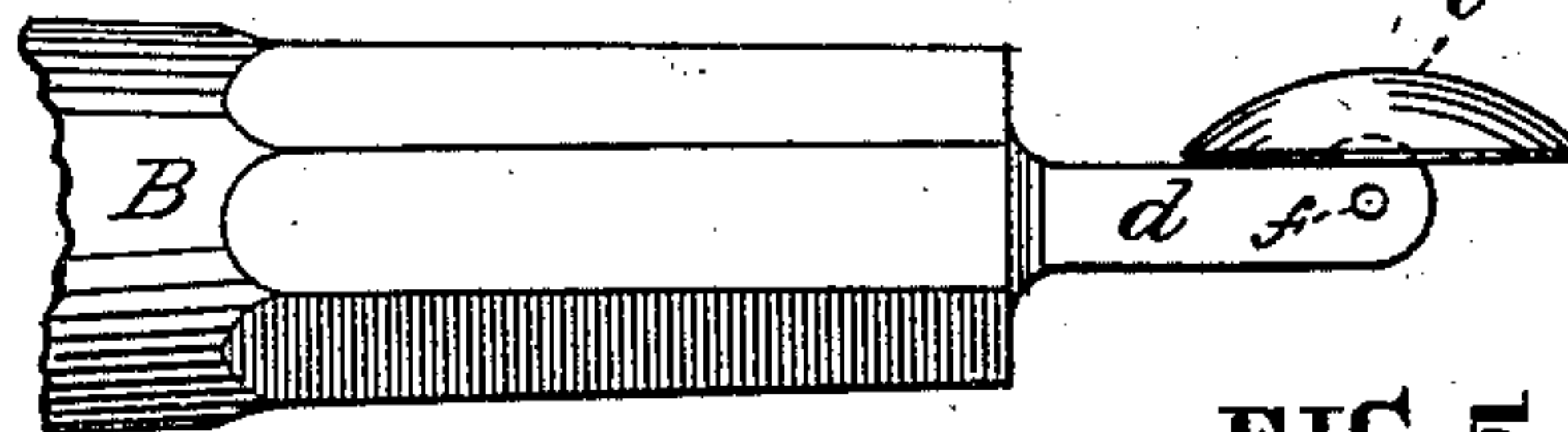


FIG. 6

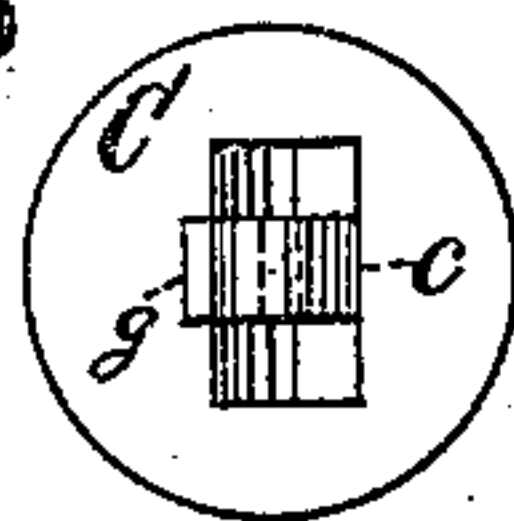


FIG. 5

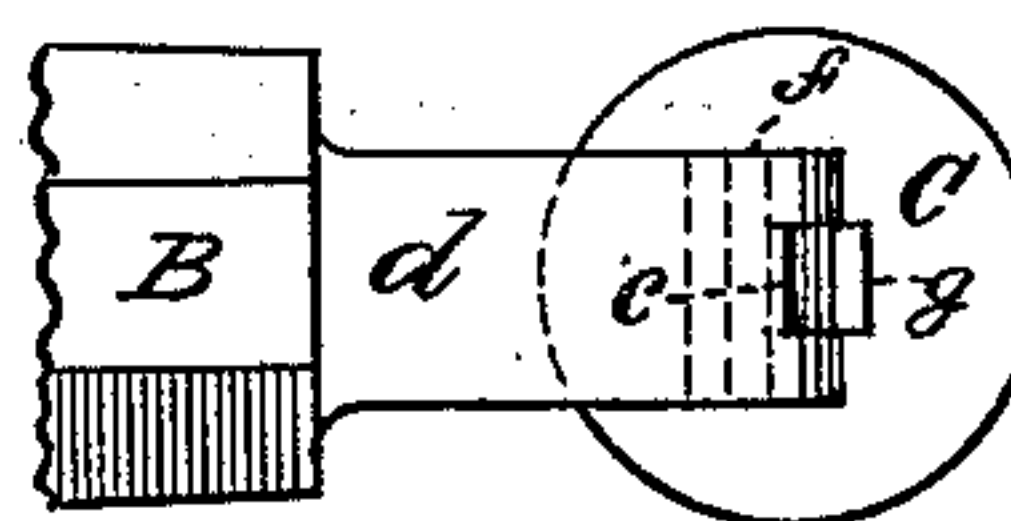
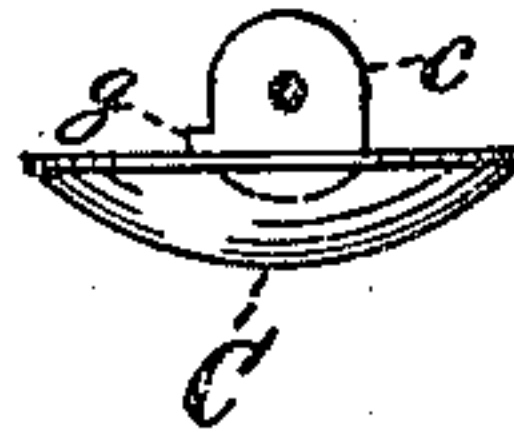


FIG. 7



Witnesses.

Thomas J. Bowley.

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per Stephen Utick. atty

UNITED STATES PATENT OFFICE.

BENNINGTON R. HUGHES, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR
OF ONE-HALF TO THOMAS BRADFIELD, OF SAME PLACE.

TRACE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 286,701, dated October 16, 1883.

Application filed October 9, 1882. (No model.)

To all whom it may concern:

Be it known that I, BENNINGTON R. HUGHES, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Trace-Holders, of which the following is a specification.

The nature of my invention consists in the combination of a button with the head-pin of a trace-holder by means of a pivot, whereby it is adapted to turn into a parallel position to the pin preparatory to slipping the pin through the slot of the trace and afterward brought back into the right-angle position to the pin outside the trace to hold the latter securely in connection with the pin, as herein-after fully described.

In the accompanying drawings, which make a part of this specification, Figures 1 and 2 are top and edge views of the trace-holder B, the button C being in the position it assumes after the connection of the trace. Figs. 3 and 4 are similar views of a portion of the trace-holder B, the button C being turned up to receive the trace. Fig. 5 is a face view of the under side of a portion of the trace-holder B, the button C being turned. Fig. 6 is a face view of the inner side of the button C. Fig. 7 is an edge view of the button C detached from the holder.

Like letters of reference in all the figures indicate the same parts.

B represents the trace-holder, which is shown in the drawings of socket form, to slip over the end of a whiffletree, but may, if desirable, be made with a screw-stem and inserted in the end of the tree.

C is a button, which is provided with a tongue, *c*, that is connected with the head-pin *d* of the holder by means of the slot *e* and pin

f, whereby it is adapted to be swung with its inner broad and flat side against said head-pin, as seen in Figs. 3 and 4, preparatory to passing it and the pin through the slot of the trace. Afterward the button is brought into the position seen in Figs. 1, 2, and 5 for holding the trace securely on the head-pin *d*, then in such position the outer side of the trace bearing against the inner and flat side of the button prevents the latter turning. The tongue *c* of the button is provided with a stop, *g*, which comes against the head-pin *d* of the holder, as seen in Fig. 5, as soon as the button assumes its right-angle position with the pin to arrest its movement. The button is cored out at the sides of the tongue *c*, and the upper side of the pin or shank *d* is reduced below the edges of the cheeks at the sides of the slot *e*, whereby to admit of the button and pin or shank *d* when the button is turned upon the latter, passing through as narrow a slot in the trace as possible.

I claim as my invention—

In a trace-holder, the button C, having a tongue, *c*, in combination with the slotted head-pin *d*, by means of the pin *f*, whereby the button is adapted to be turned with its broad flat side against the side of said head-pin for its passage through the slot of the trace and afterward brought to the position at right angles to the head-pin, with the stop *g* of the tongue *c* resting against the end of the pin, whereby the inner flat surface of the button is held fairly against the outer flat surface of the trace, substantially as and for the purpose set forth.

BENNINGTON R. HUGHES.

Witnesses:

THOMAS J. BEWLEY,
STEPHEN USTICK.