

(No Model.)

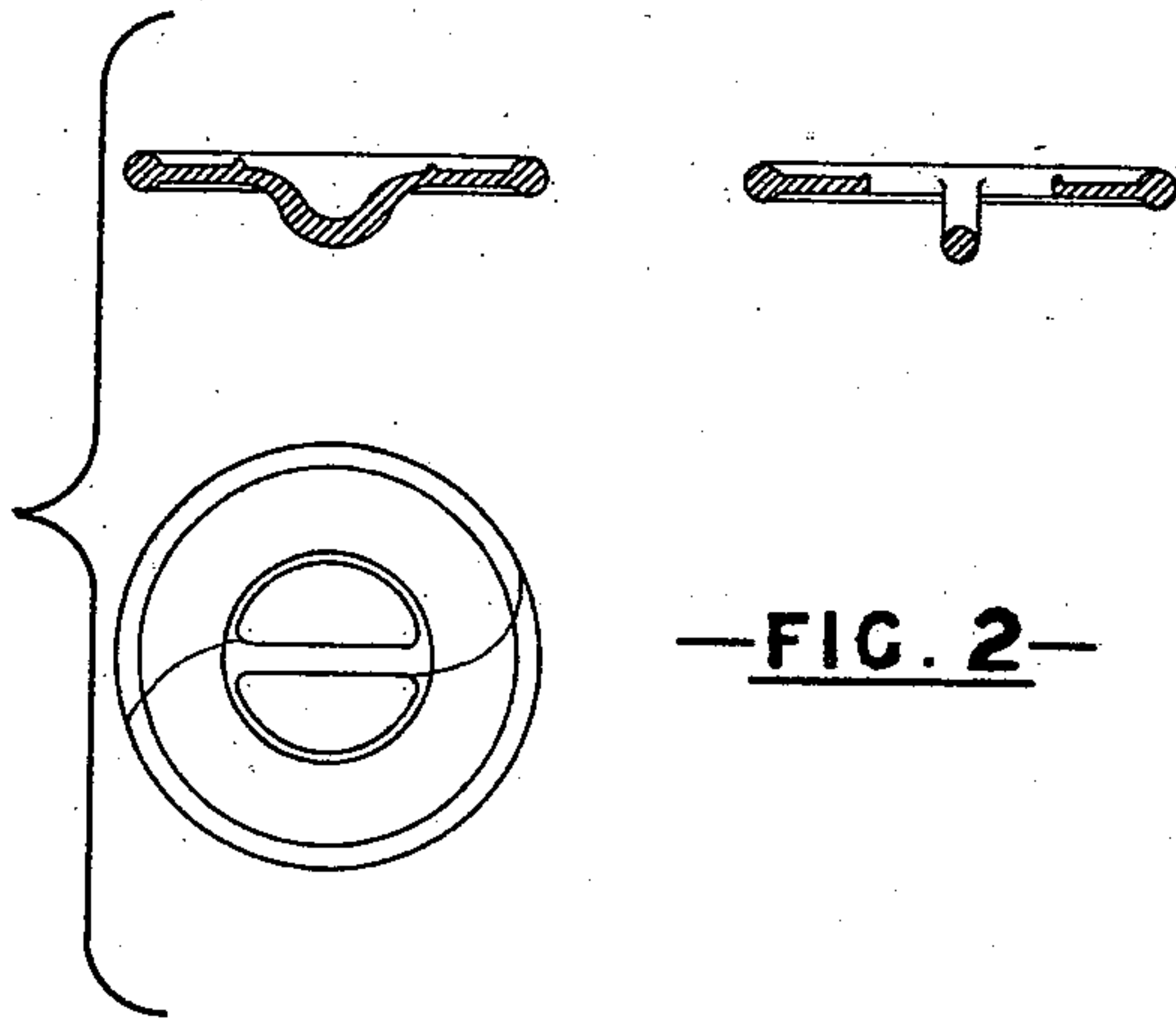
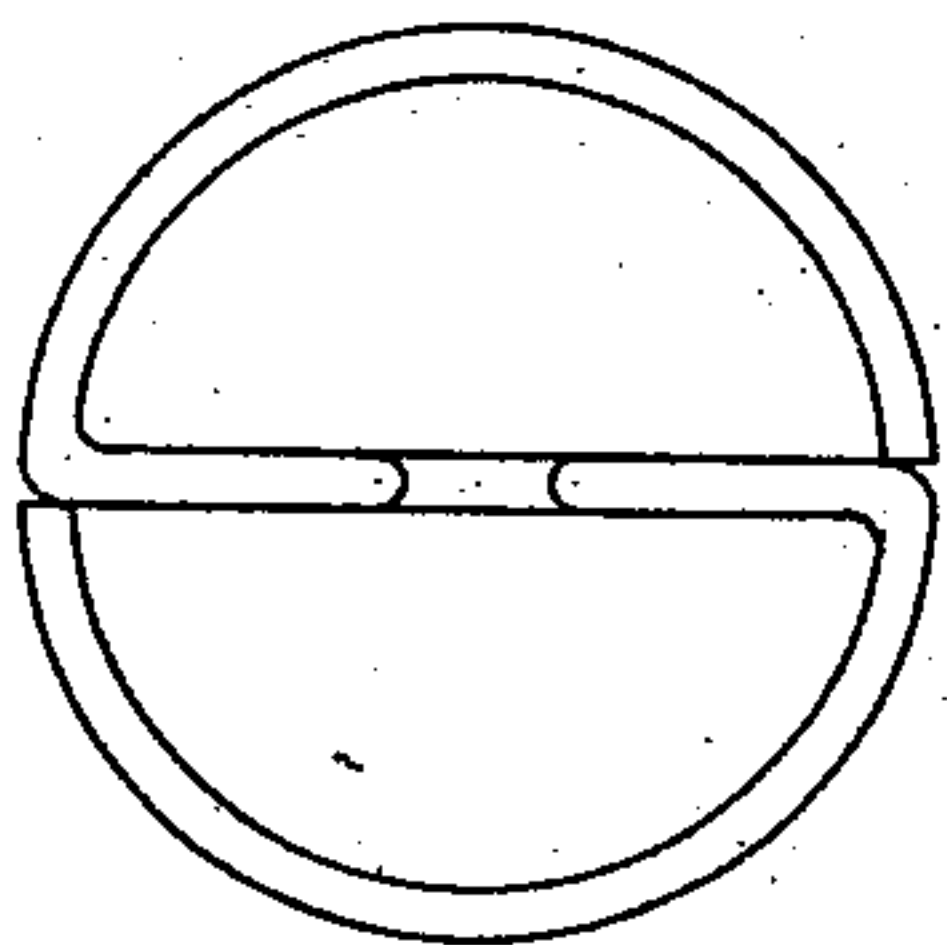
R. ELSDON.

BUTTON.

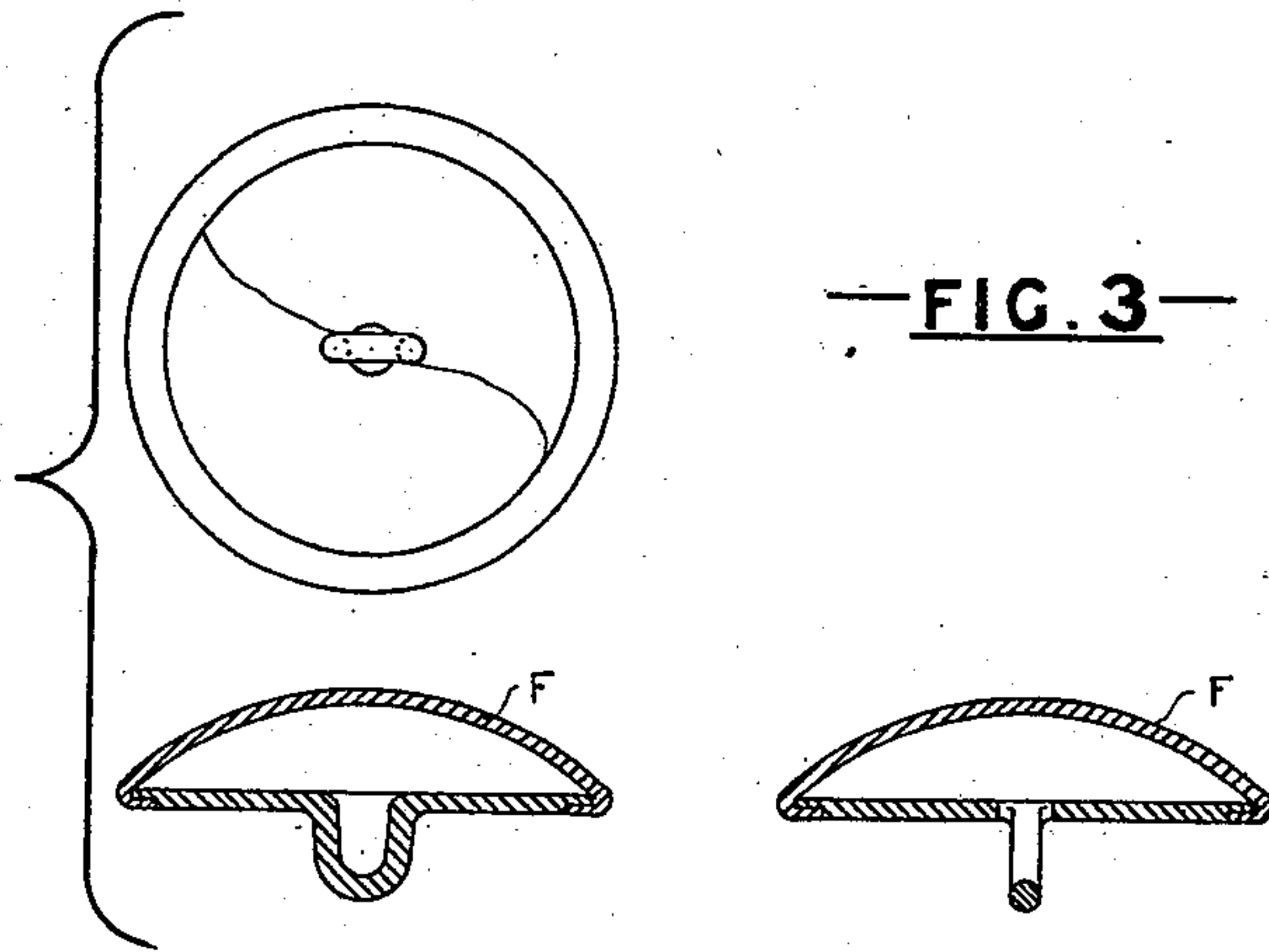
No. 355,601.

Patented Jan. 4, 1887.

—FIG. 1—

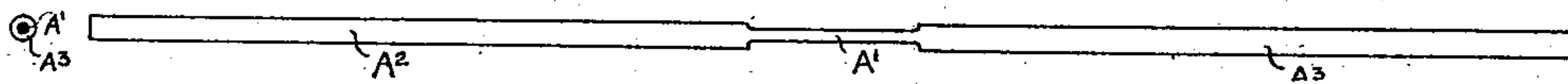


—FIG. 2—



—FIG. 3—

—FIG. 4—



Witnesses
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UNITED STATES PATENT OFFICE.

ROBERT ELSDON, OF BROCKLEY, COUNTY OF KENT, ENGLAND.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 355,601, dated January 4, 1887.

Application filed December 22, 1884. Serial No. 151,018. (No model.) Patented in England January 29, 1884, No. 2,346; in France November 5, 1884, No. 165,182, and in Germany December 11, 1884, No. 32,894.

To all whom it may concern:

Be it known that I, ROBERT ELSDON, a subject of the Queen of Great Britain, and residing at Brockley, in the county of Kent and Kingdom of Great Britain, have invented certain new and useful Improvements in the Manufacture of Buttons, (for which I have obtained Letters Patent in the following countries: Great Britain, dated January 29, 1884, No. 2,346; in France, dated November 5, 1884, No. 165,182, and Germany, dated December 11, 1884, No. 32,894;) and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in the manufacture of that class of metal buttons known as "set," "spun," or "closed" buttons, "bar" or "two-hole" buttons, imitation "solid," "flat," and "livery" buttons, and the like, the frames of which consist of a circular wire wheel somewhat of the shape of the numeral 8, with or without a loop-shaped bend projecting at right angles to the said wheel or frame from the center bar thereof, as shown in Figure 1.

Fig. 2 represents a trouser, bar, or two-hole button constructed in accordance with this invention.

In manufacturing this class of button the circular portion of the wheel or frame is constructed of a diameter smaller than the finished button, and is subjected to pressure between suitable dies or otherwise, and that portion of the wire frame is thus spread or flattened to the shape of the finished button, as shown in Fig. 2, while the center bar remains more or less of its original section, but becomes during this process of stamping slightly curved lengthwise, so that in manufacturing this class of button I find it necessary in some cases to previously form the loop-shaped bend. The circular portions of buttons thus

formed may be covered at the back or front, or both, with thin metal for carrying a name or other device, if required, or the name or device may be stamped in the metal of the button itself, and, preferably, at the same time that it is subjected to pressure, as before described.

Fig. 3 represents a button constructed as last described, but with a face or shell, F, (which may be closed or open for the insertion of a fancy material or design,) set, spun, or closed over the circumference of the frame, which in this case also serves as the bottom or back, and may be stamped with a name or other device.

In order to provide for the spreading or flattening of the circular part of the wire frame, as above described, and at the same time to maintain a lighter section of wire for the bar or shank, I sometimes employ lengths of wire rolled or otherwise formed, as shown in Fig. 4, A' being the part intended to form the bar or shank, and A² and A³ being the parts intended to form the circular portion of the frame or button and which it is intended to subject to pressure and flatten or spread out, as hereinbefore described.

I claim—

1. A bent-wire button or button-frame the circumferential part of which is spread or flattened and provided with an integral center bar, all substantially as set forth.

2. A bent-wire button-frame having its circumferential portion spread or flattened and provided with an integral cross bar having a reduced section, substantially as and for the purpose set forth.

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