

No. 832,059.

PATENTED OCT. 2, 1906.

S. S. HOLCOMB.
WROUGHT METAL FERRULE.
APPLICATION FILED APR. 2, 1906.

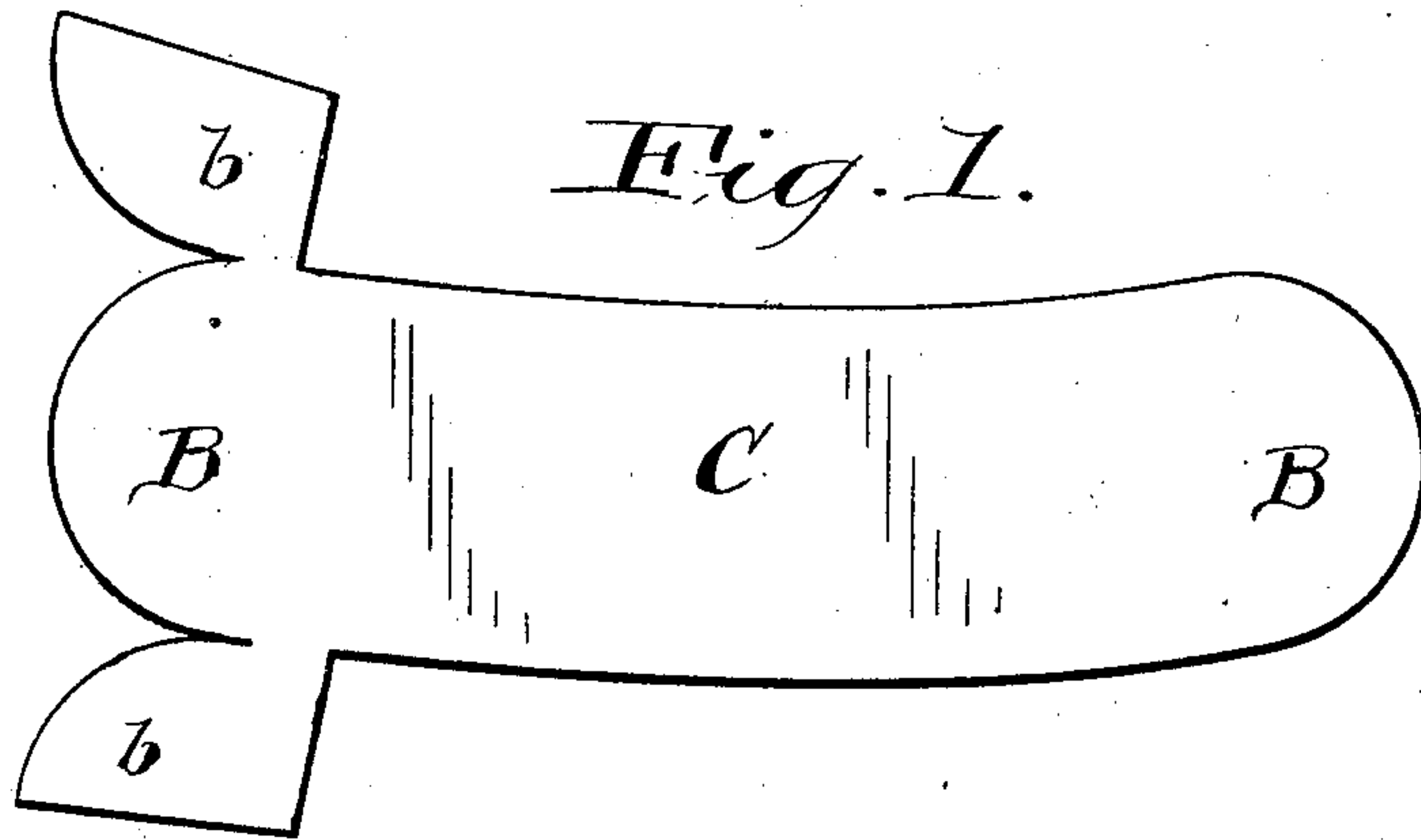


Fig. 2.

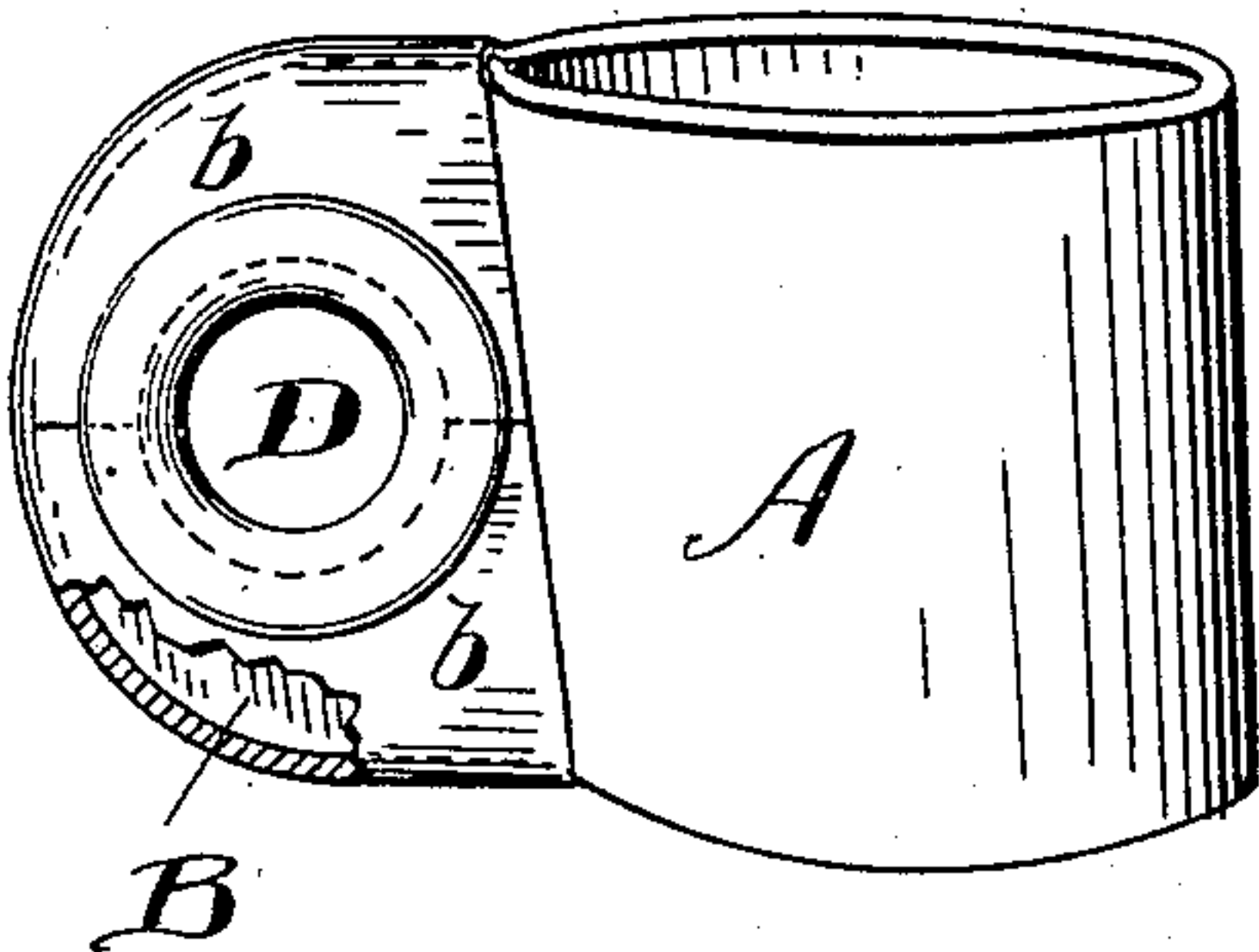


Fig. 3.

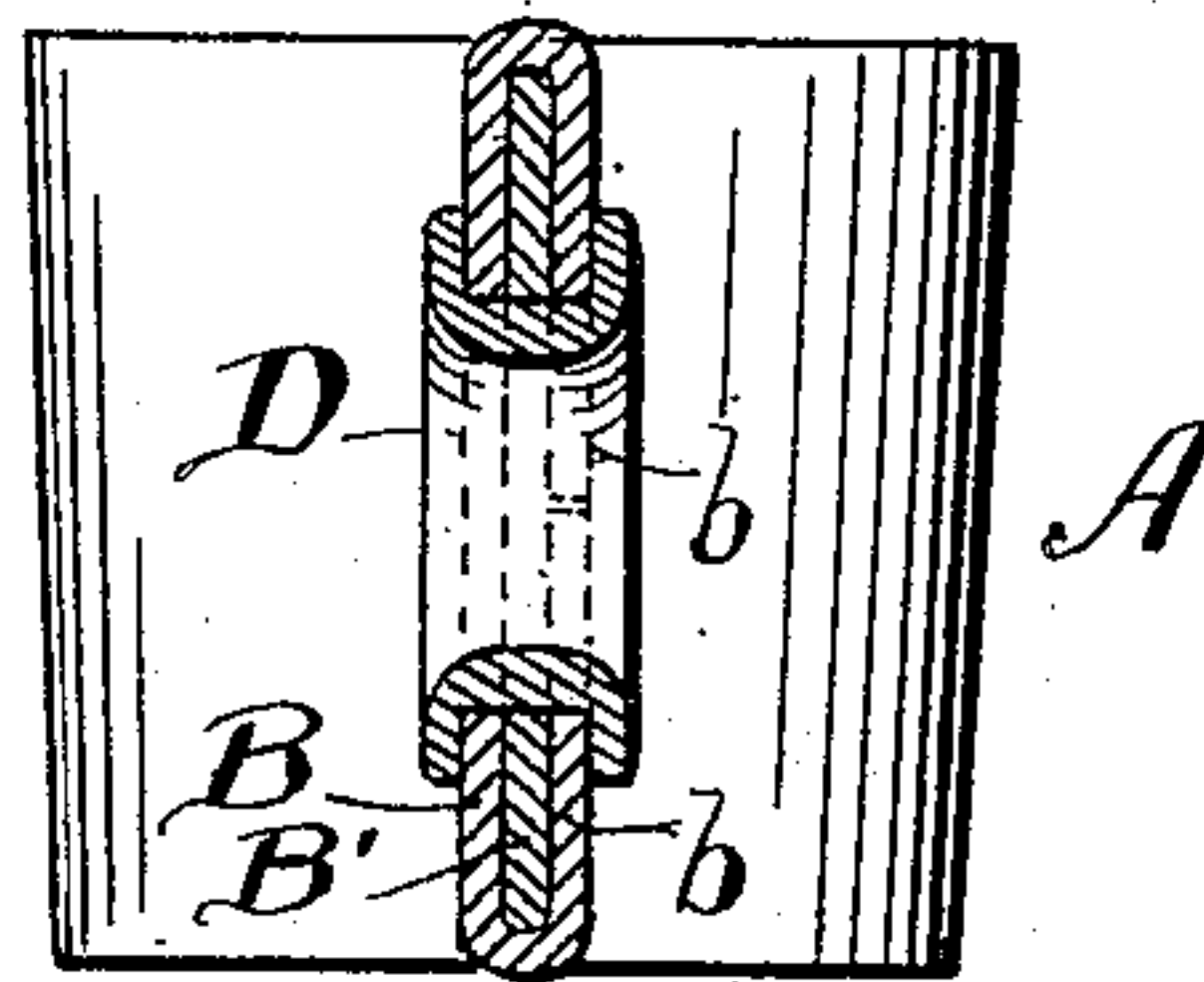


Fig. 4.

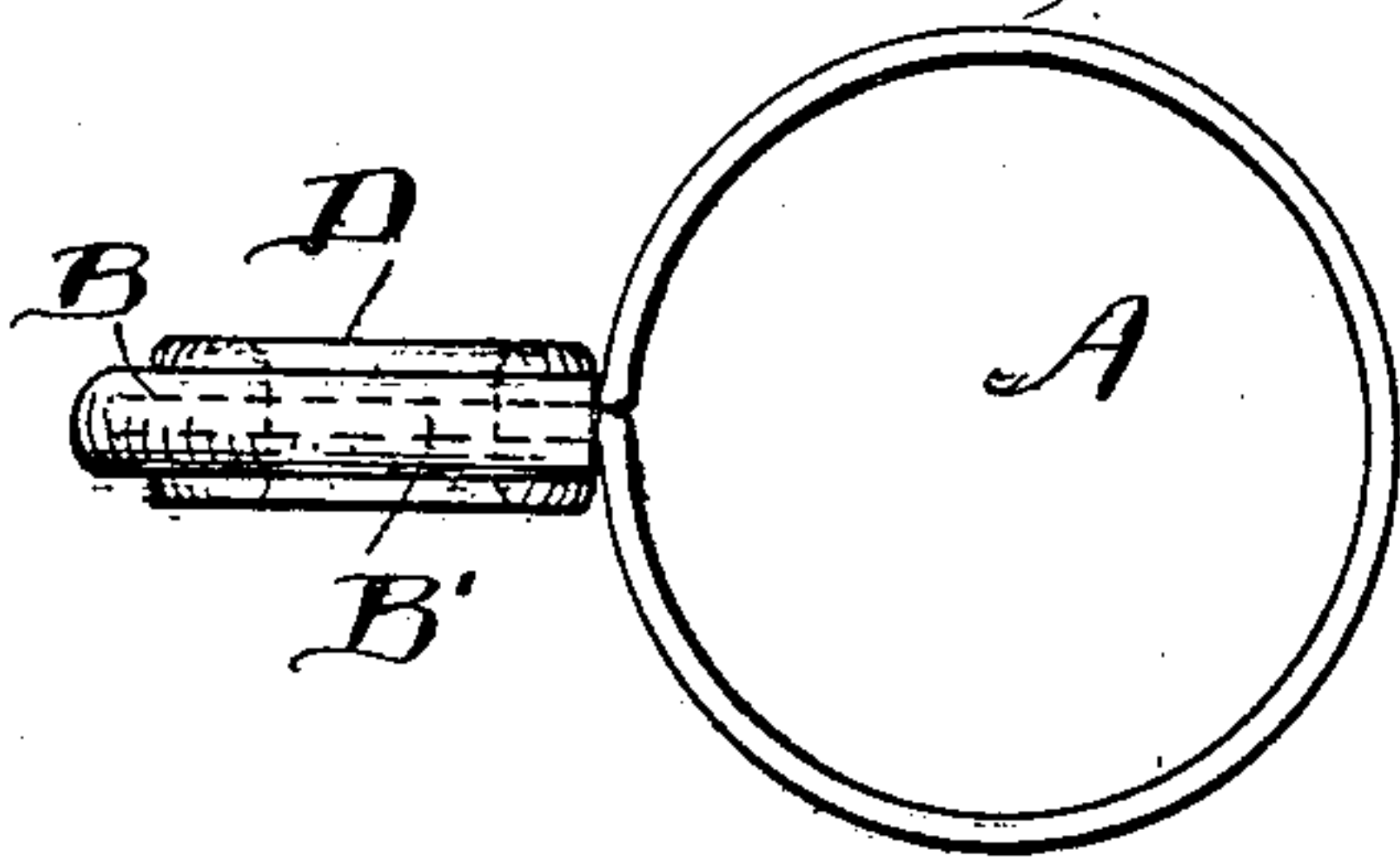
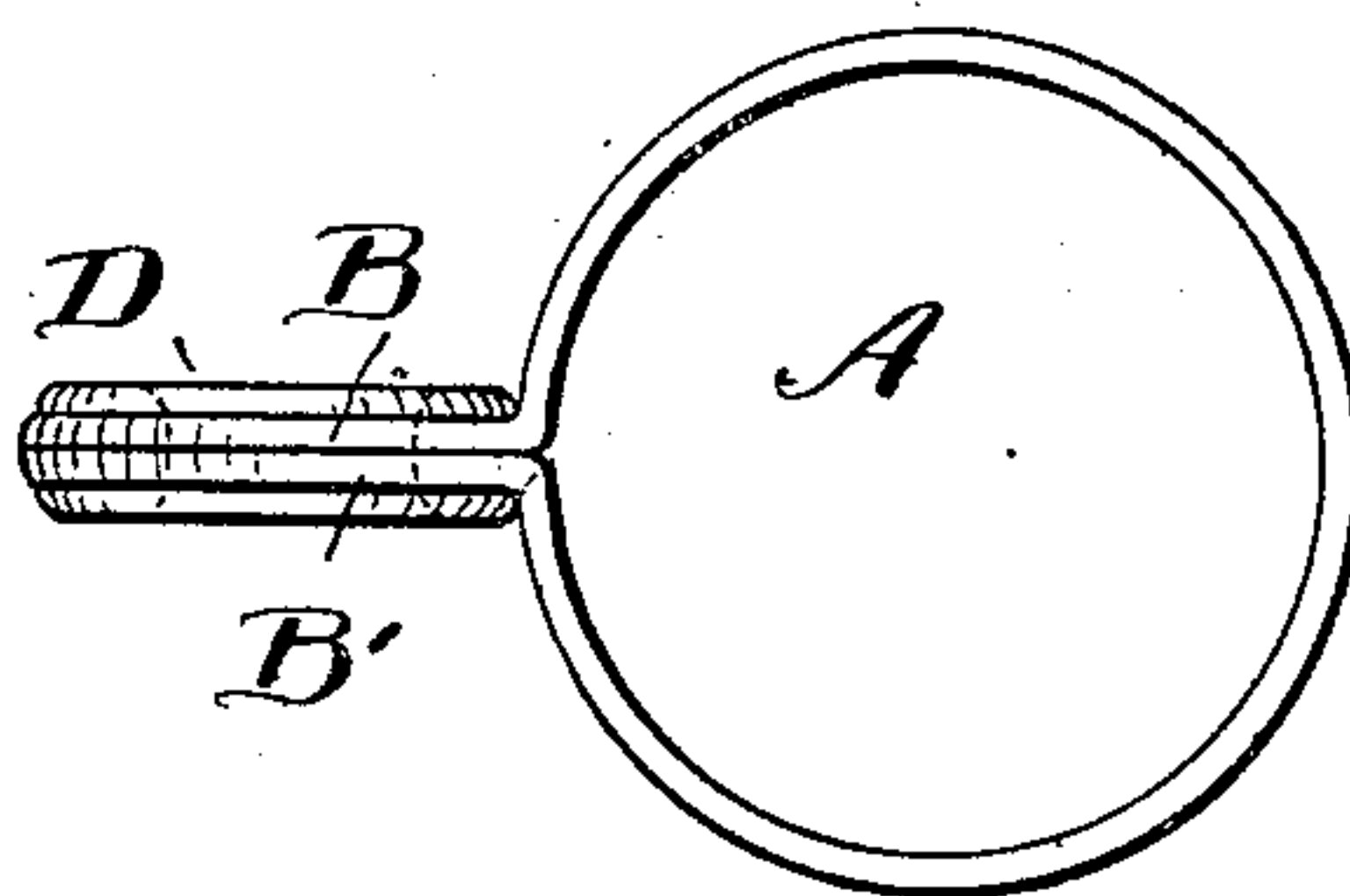


Fig. 5.



Witnesses:
E. B. Gilchrist
H. B. Sullivan

Inventor:
S. S. Holcomb
By Thurston Woodward
attorney

UNITED STATES PATENT OFFICE.

SERENO S. HOLCOMB, OF CLEVELAND, OHIO, ASSIGNOR TO THE
CLEVELAND HARDWARE COMPANY, OF CLEVELAND, OHIO, A
CORPORATION OF OHIO.

WROUGHT-METAL FERRULE.

No. 832,059.

Specification of Letters Patent.

Patented Oct. 2, 1906.

Application filed April 2, 1906. Serial No. 309,349.

To all whom it may concern:

Be it known that I, SERENO S. HOLCOMB, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Wrought-Metal Ferrules, of which the following is a full, clear, and exact description.

The ferrules used on swingle-trees and the like must be provided with loops for the reception of a ring or hook. These ferrules, including the loop, have heretofore been cast generally from malleable iron. When so made, they are clumsy and heavy and are liable to be broken in use.

The object of this invention is to provide a wrought-metal ferrule having a loop, which ferrule shall be lighter, stronger, and less clumsy than those heretofore used.

The invention is a wrought-metal ferrule formed by bending a strip of metal into approximately cylindrical form for the body and bending the ends of said strip outward to form ears, which are fastened together by a tubular rivet or eyelet passing through holes in said ears and upset at its ends against their outer faces.

It also consists in such a ferrule when one of the ears is made larger than the other and is bent over onto that other, and the said tubular rivet is passed through the three thicknesses of metal thereby produced and upset at its ends to fasten them together.

Referring to the parts by letters, A represents the body of the ferrule. It is formed by bending the blank C into slightly-tapered but approximately cylindrical form and by bending the ends of said blank outward to form ears B B'. These ears are perforated and are fastened together by a tubular rivet D, which passes through the perforations in the ears and has its ends upset against the outer faces thereof. These ears and tubular rivet form the loop required by such ferrules for the reception of the ring or hook used

with them. For some uses—as, for example, for a direct pull by the ring upon said loop—the construction above described and shown in Fig. 5 may not be strong enough. To give the necessary strength, one of the ears may be made larger than the other. It may be longer or it may be wider, as at *b*. It is then bent over the edge of the other ear down onto it, substantially as shown in Figs. 2 to 4. The tubular rivet in that case passes through the three thicknesses of metal thereby produced and when upset will tightly fasten them together to form a triple thick loop.

In the accompanying drawings, Figure 1 is a plan of blank C. Fig. 2 is a perspective view of ferrule. Fig. 3 is an elevation of ferrule, showing loop in section. Fig. 4 is a plan of Fig. 2. Fig. 5 is a plan of a modified form of the ferrule.

Having described my invention, I claim—

1. A wrought-metal ferrule for swingle-trees and the like, comprising an approximately cylindrical body, and two integral outwardly-extended ears, and a tubular rivet passing through said ears and having its ends upset against them, substantially as and for the purpose specified.

2. A wrought-metal ferrule for swingle-trees and the like, comprising an approximately cylindrical body, and two integral outwardly-extended ears, one of said ears being bent over the edge of and against the face of the other ear, and a tubular rivet which passes through the three thicknesses of metal thereby produced and is upset at its ends to secure them together, substantially as and for the purpose specified.

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

SERENO S. HOLCOMB.

Witnesses:

THOS. P. ROBBINS,
CHAS. E. ADAMS.