

No. 705,463.

Patented July 22, 1902.

J. R. SMITH.
PLACKET FASTENER.
(Application filed Mar. 8, 1902.)

(No Model.)

Fig. 1

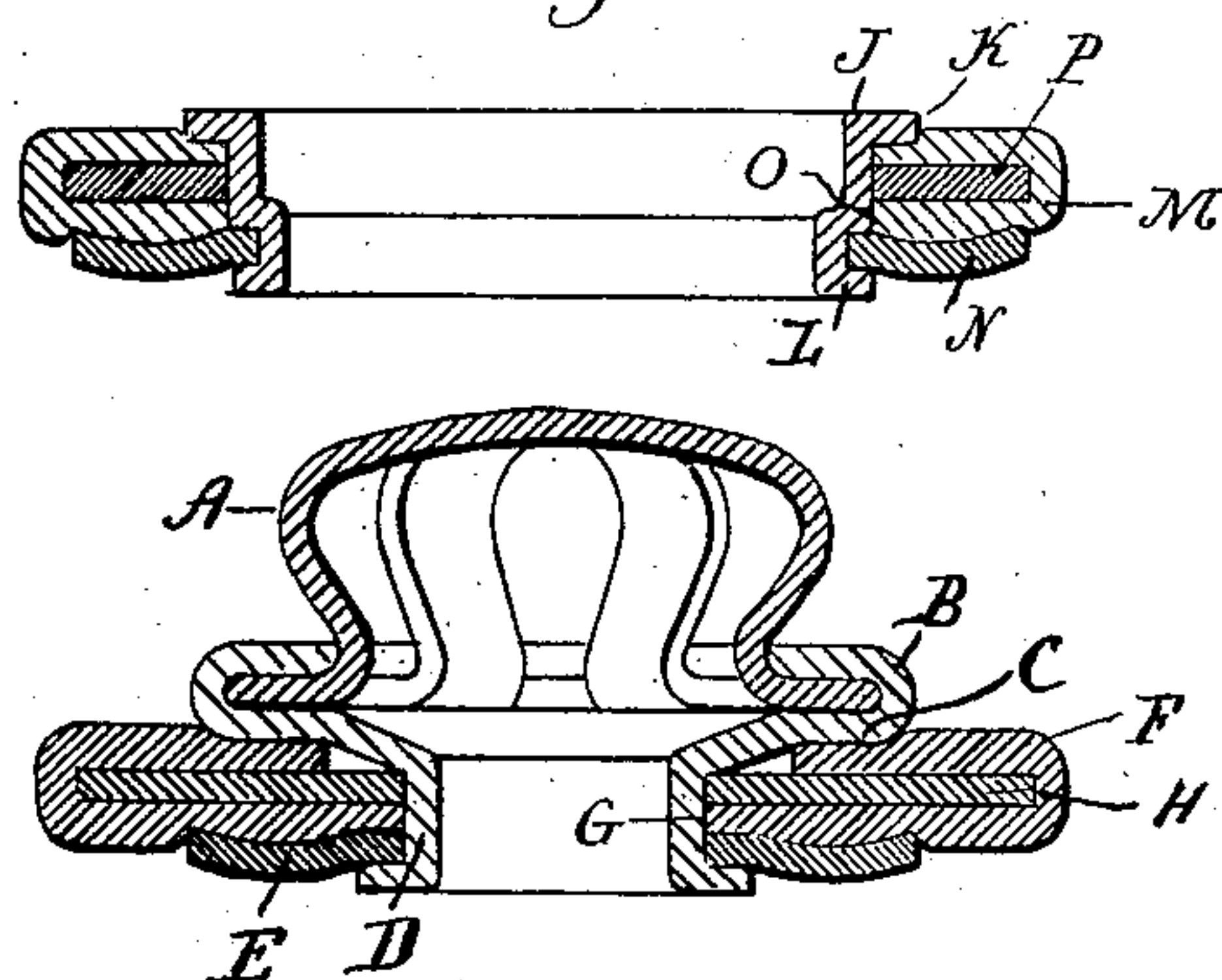


Fig. 2

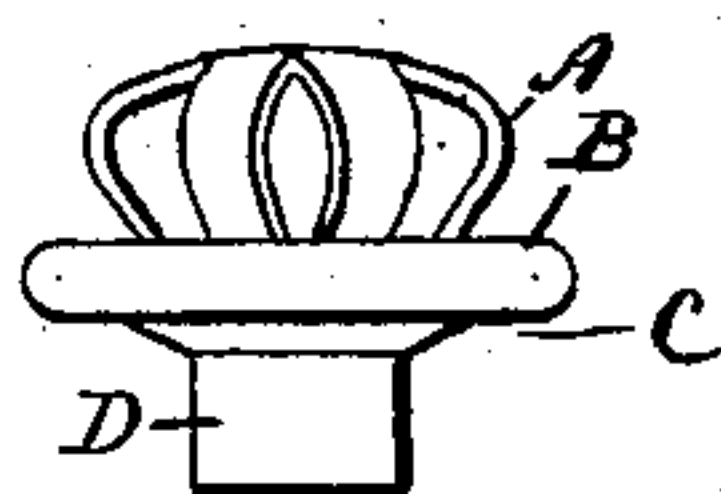


Fig. 3

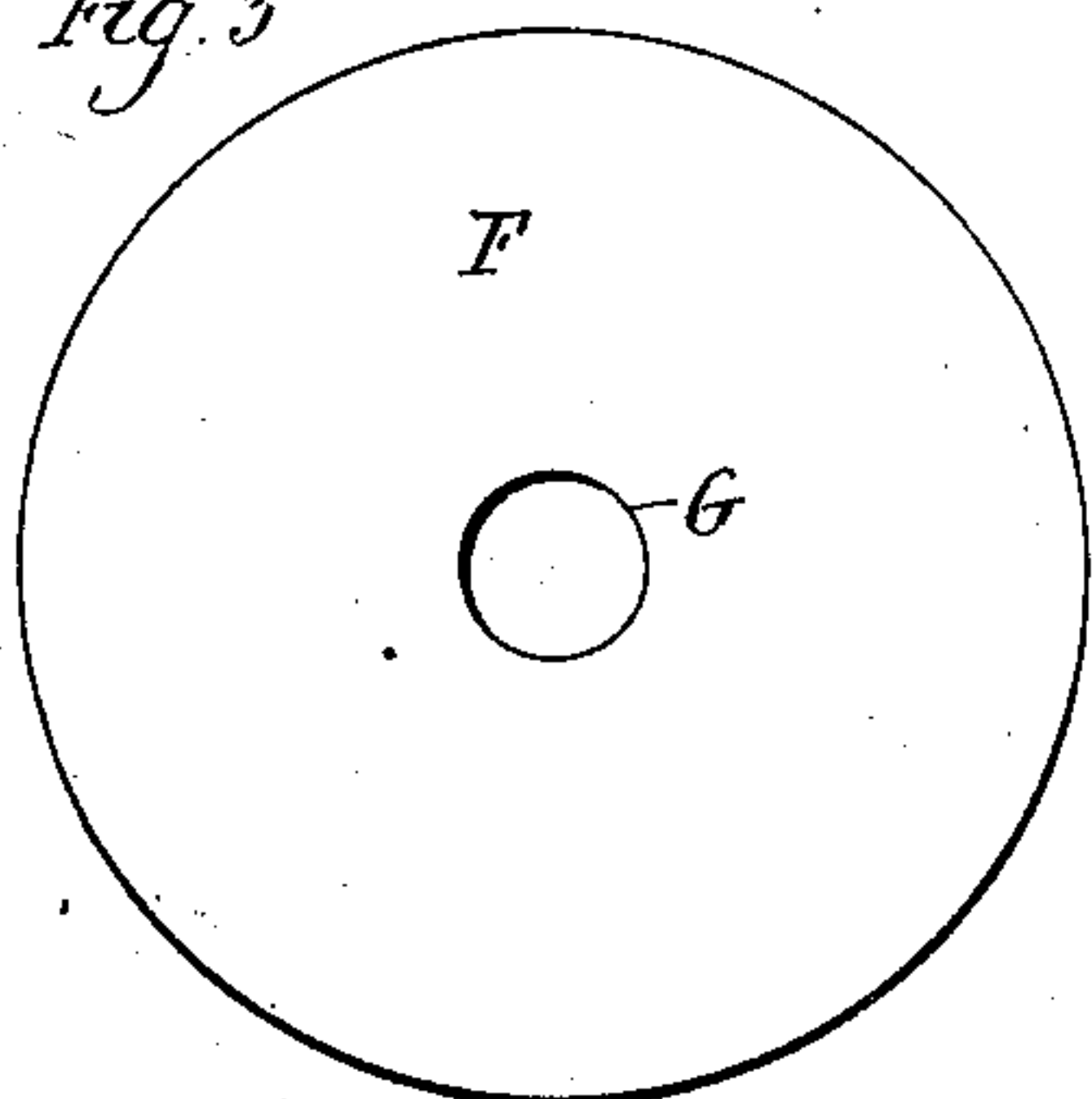


Fig. 4

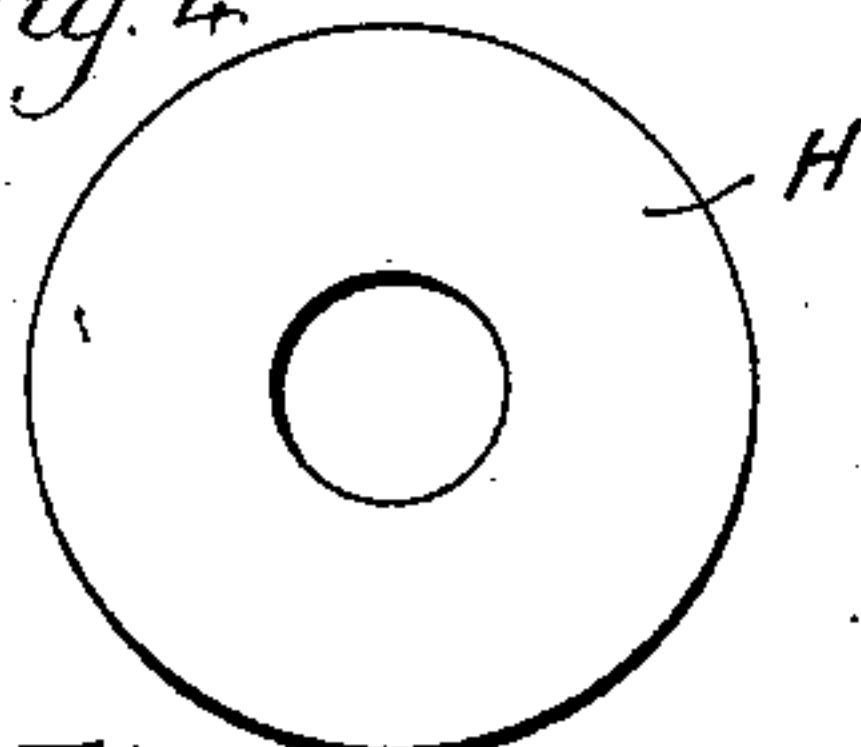


Fig. 5

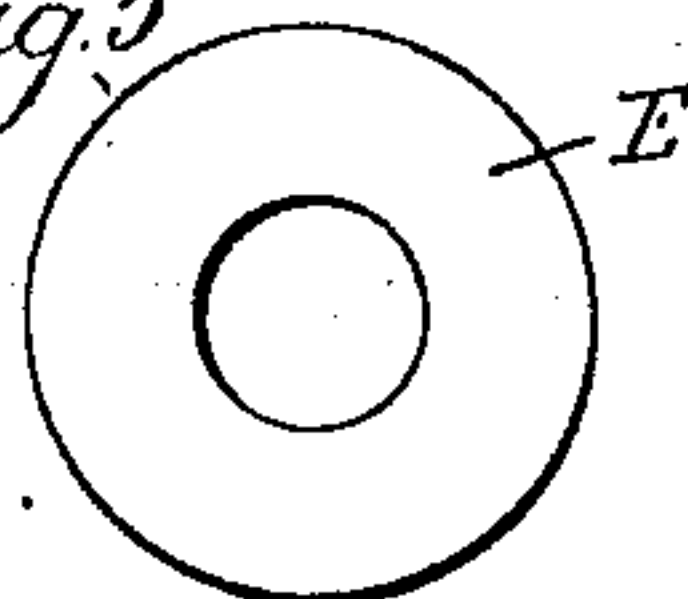


Fig. 6

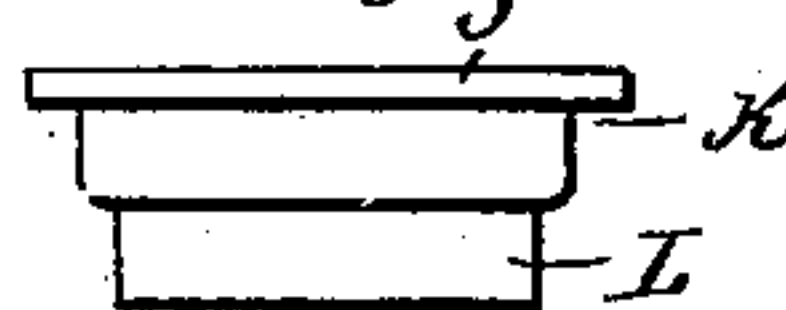


Fig. 7

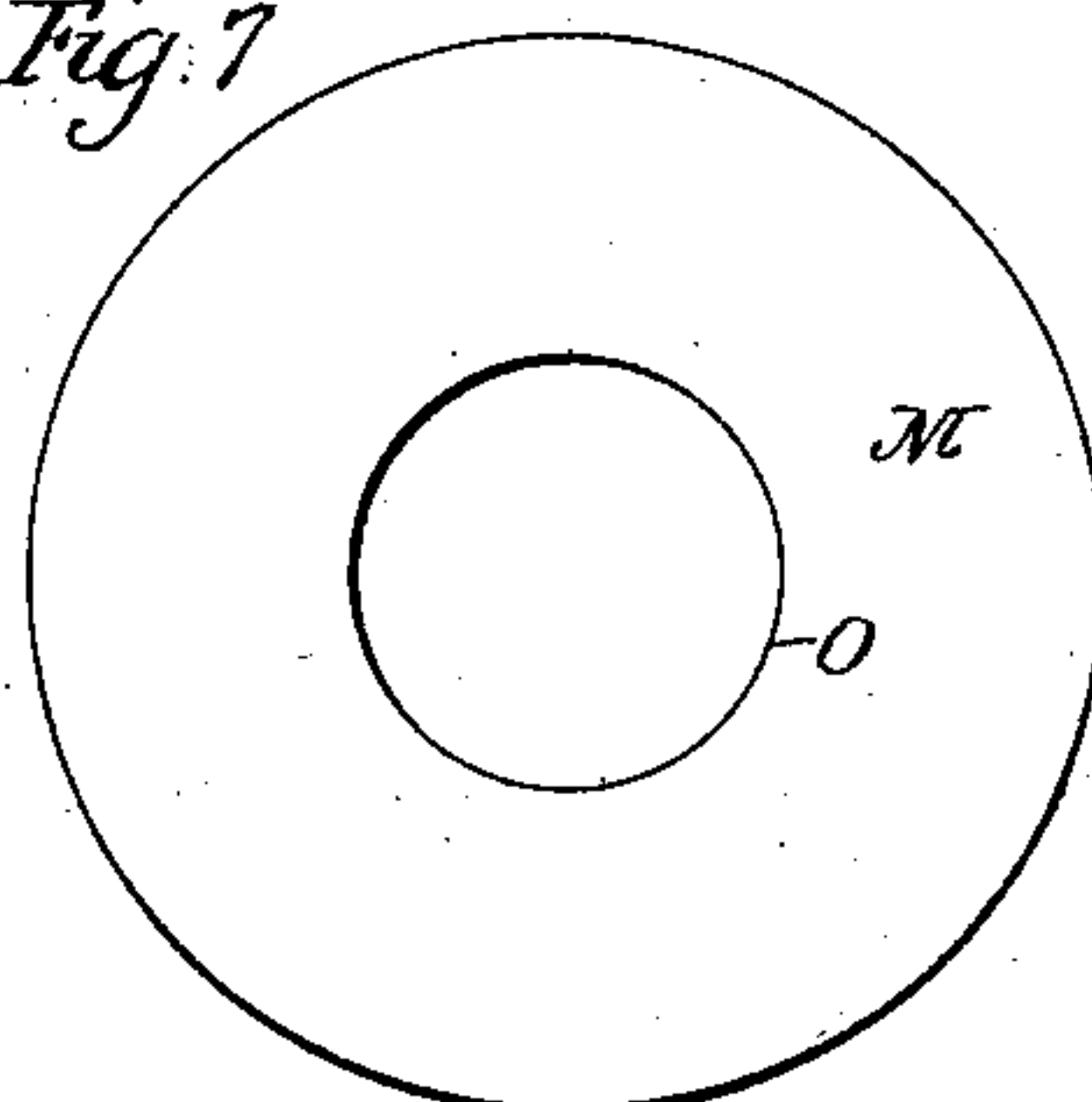


Fig. 8

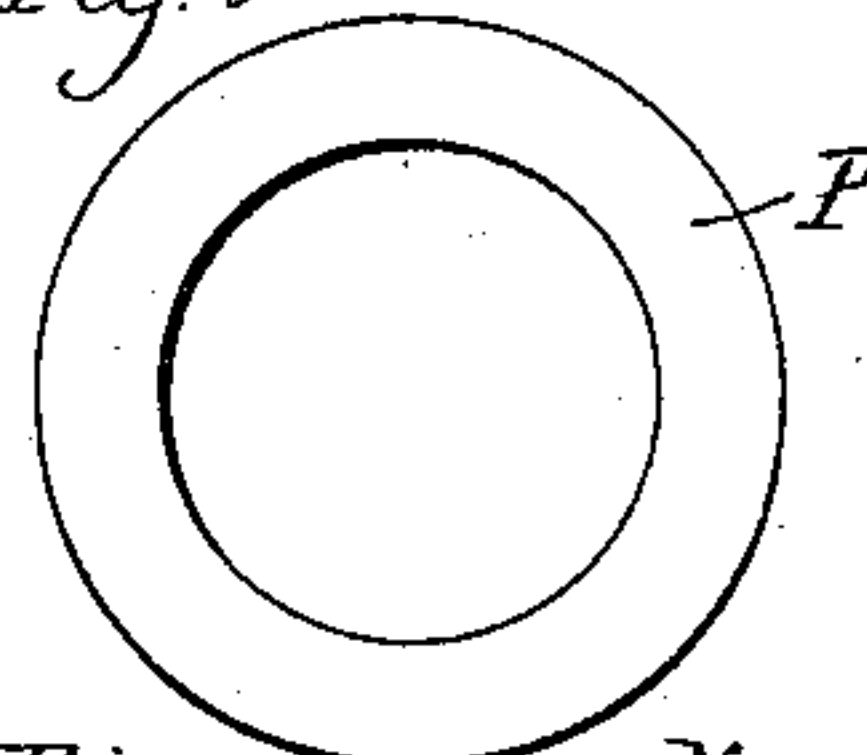
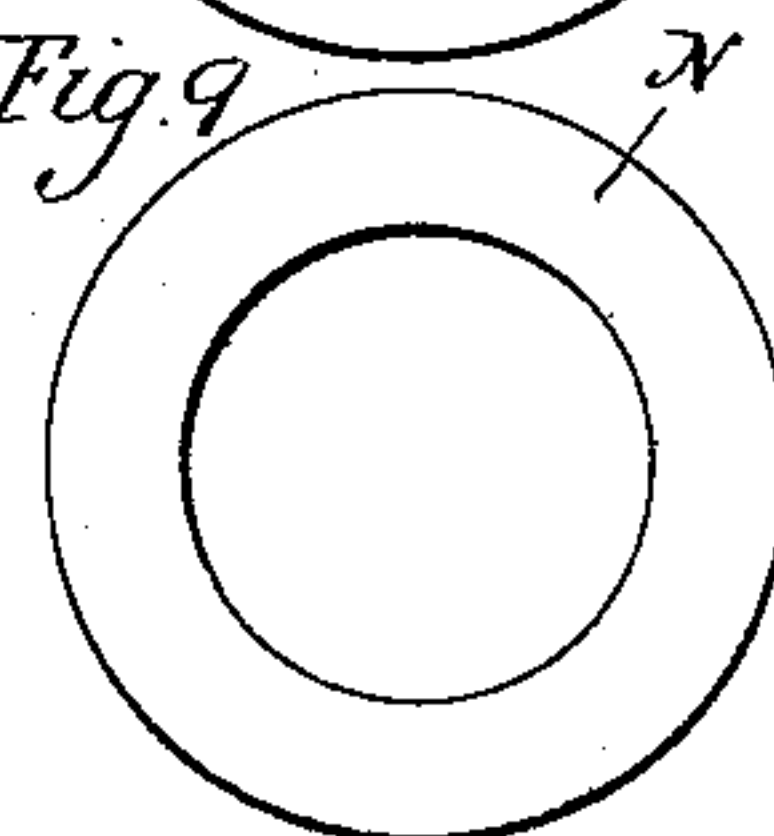


Fig. 9



Witnesses.
J. H. Shumway.
Clara L. Reed.

Joseph R. Smith.
By Atty. Seymour & Earle

UNITED STATES PATENT OFFICE.

JOSEPH R. SMITH, OF WATERBURY, CONNECTICUT, ASSIGNOR TO THE
WATERBURY BUTTON COMPANY, OF WATERBURY, CONNECTICUT,
A CORPORATION.

PLACKET-FASTENER.

SPECIFICATION forming part of Letters Patent No. 705,463, dated July 22, 1902.

Application filed March 8, 1902. Serial No. 97,224. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH R. SMITH, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Placket-Fasteners; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a sectional view of the two members of a placket-fastener constructed in accordance with my invention; Fig. 2, a side view of the stud member detached; Fig. 3, a plan view of the fabric disk adapted to form a flange therefor; Fig. 4, a plan view of the paper disk adapted to be inclosed by the fabric; Fig. 5, a plan view of the washer through which the eyelet portion of the stud member extends and by which the flange is secured thereto; Fig. 6, a side view of the eyelet portion of the socket member; Fig. 7, a plan view of the fabric disk adapted to form a flange therefor; Fig. 8, a plan view of the paper disk adapted to be inclosed by the fabric; Fig. 9, a plan view of the washer through which the eyelet portion of the socket extends and over which its lower edge is turned.

This invention relates to an improvement in placket-fasteners, and particularly to that class which embody the well-known stud-and-socket fasteners. In the more general construction of placket-fasteners of this character the two members are formed with metal flanges which are perforated to permit of their being stitched to garments; but as the metal of these flanges must be necessarily thin the edges are so sharp that the threads by which they are secured are soon cut.

The object of this invention is to provide the members with a non-metallic flange through which the members may be readily stitched to the garment, the flanges to be of fabric with their raw edges inclosed; and the invention consists in the construction as hereinafter described, and particularly recited in the claims.

For convenience of illustrating my invention I have shown it as applied to stud-and-socket fasteners like that shown and described in United States Patent No. 683,346, granted to me September 24, 1901; but it will be evident that the invention is equally applicable to other styles of fasteners.

The stud member consists of a spring-stud A and a rivet B, which are united, forming a shoulder C, the tubular portion D of the rivet being adapted to be turned outward over a washer E. Between the washer E and the shoulder C, I arrange my improved flange, which consists of a disk F, of fabric, having a central perforation G, adapting the tubular portion D of the rivet to pass through it. The outer edge is then turned inward, so as to be clasped by the washer E. Preferably, and as herein shown, a ring H, of paper, will be interposed between the two surfaces of the flange. This is interposed for the convenience of manufacture to properly hold the fabric while its edges are being turned in.

The socket member consists of an eyelet J, having a shoulder K at its upper end and adapted to have its lower edge L turned over upon a washer N. Between the shoulder K and washer N, I interpose a flange consisting of a disk M, of fabric, having a central perforation O, through which the eyelet extends, and its outer edge is turned inward, so as to be secured by the washer N. Like the flange on the stud member, I preferably employ a disk P of paper. These non-metallic flanges present a perfectly-smooth rounded edge and permit the fasteners to be readily sewed to garments, and, furthermore, the fabric from which the flanges are formed may be colored to correspond with or made from the same material as the garment to which they are to be applied. The diameter of the flange may be as great as desired; but preferably it will be but slightly larger than the diameter of the washers of the respective members. These flanges may be readily applied to the respective members by suitable mechanism and add very little to the cost of manufacture over and above the cost of providing the members with a perforated metallic flange.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a placket-fastener, the combination
5 with the stud or socket members thereof, of a non-metallic flange projecting beyond the edge thereof, substantially as described.

2. In a placket-fastener, the combination
10 with the stud and socket members, of a fabric disk secured thereto, the edges of the disk inclosed within the parts of the respective members, substantially as described.

3. In a placket-fastener, the combination
with the stud member comprising an eyelet

member and a washer, a socket member also 15 comprising an eyelet member and a washer, of fabric disks having their edges secured between the eyelet members and said washers and so as to project beyond said washers forming a non-metallic flange therefor, sub- 20 stantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOSEPH R. SMITH.

Witnesses:

A. C. MINTEO,
O. H. GAGE.