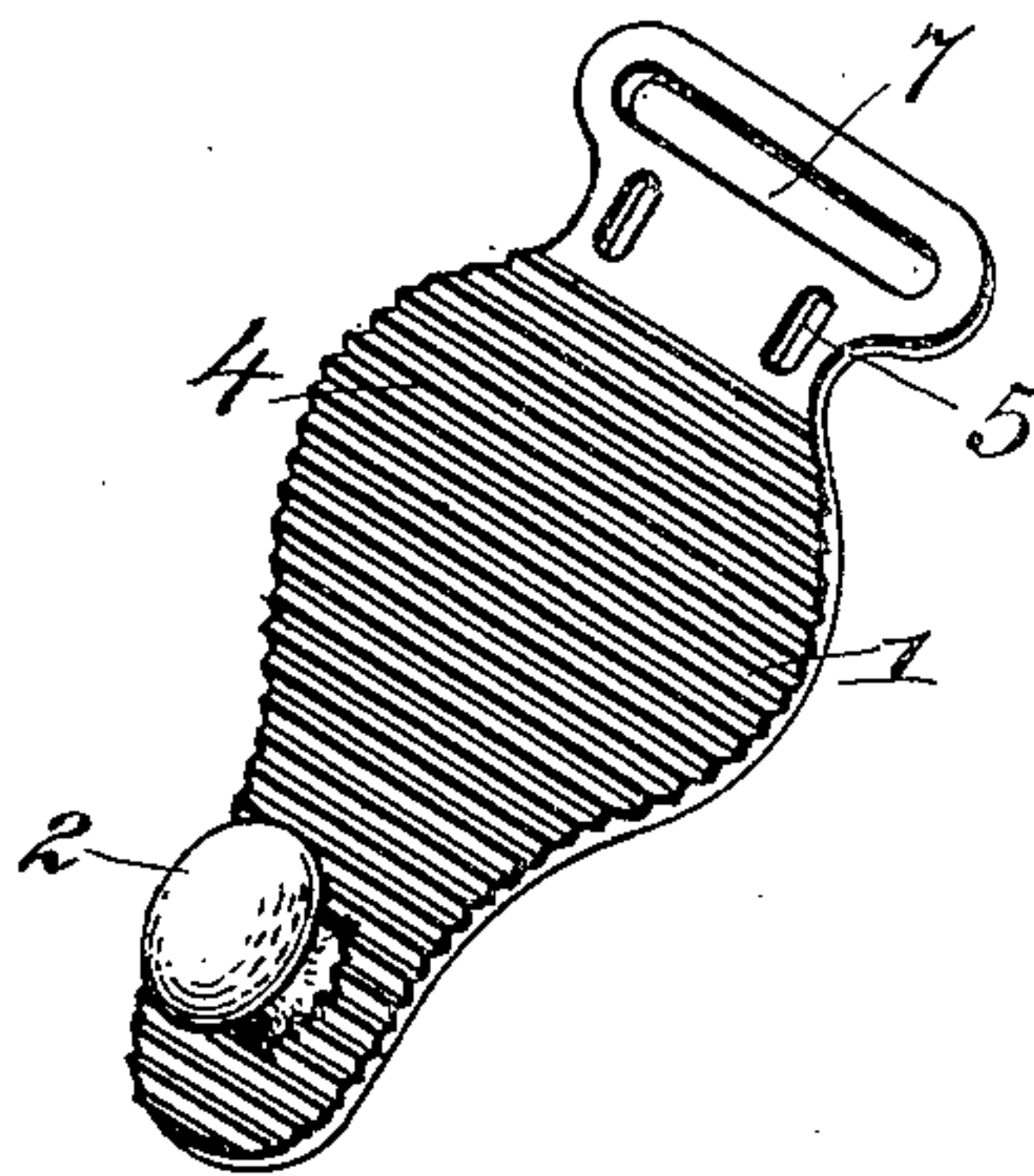


No. 832,073.

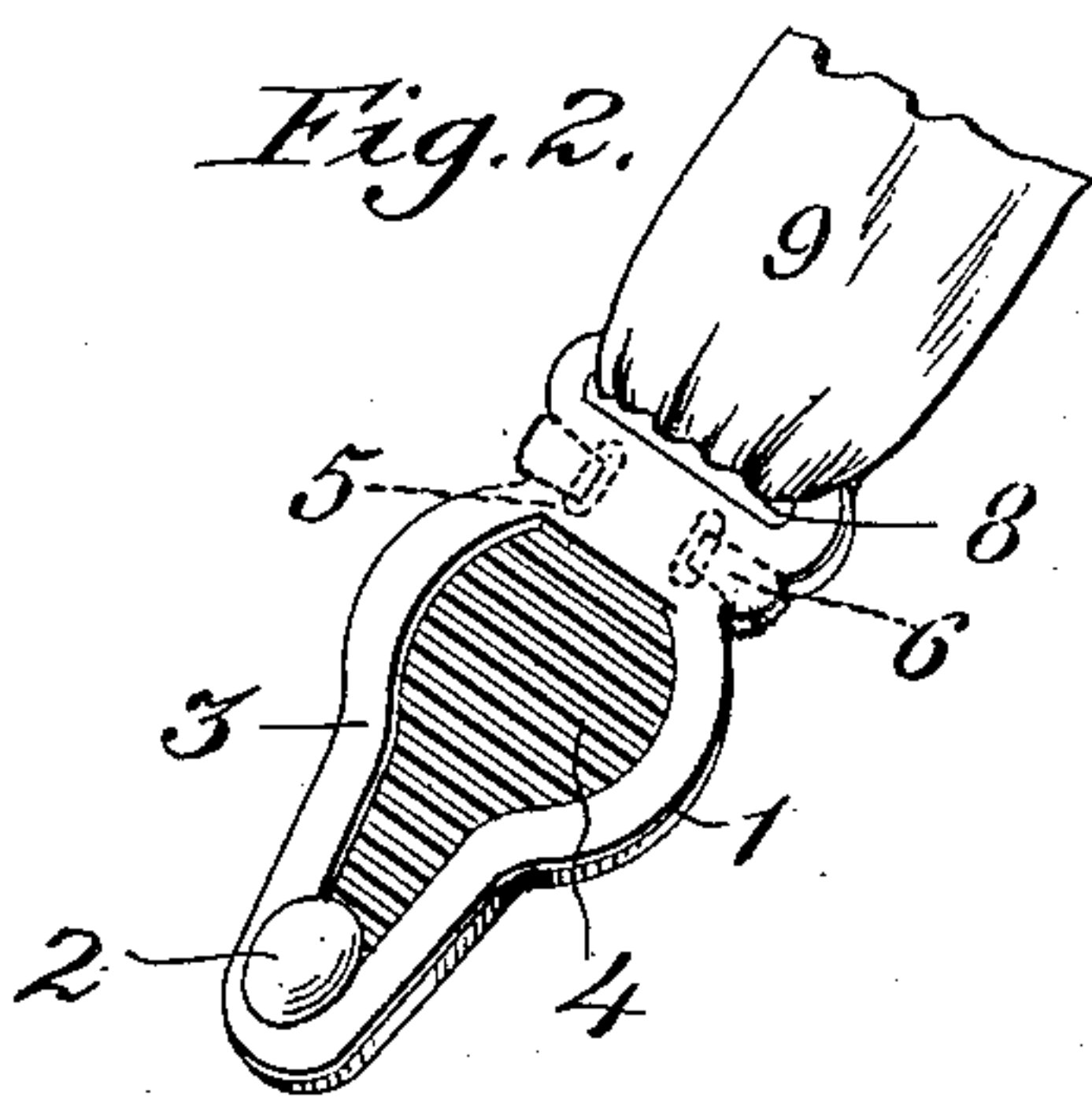
PATENTED OCT. 2, 1906.

H. MILES.  
HOSE SUPPORTER CLASP.  
APPLICATION FILED NOV. 30, 1904.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*Comitell*  
*Ernest J. Gault*

INVENTOR.

*Harry Miles*

# UNITED STATES PATENT OFFICE.

HARRIET MILES, OF NEW YORK, N. Y., ASSIGNOR TO NEALON COMPANY,  
A CORPORATION OF NEW YORK.

## HOSE-SUPPORTER CLASP.

No. 832,073.

Specification of Letters Patent.

Patented Oct. 2, 1906.

Application filed November 30, 1904. Serial No. 234,908.

*To all whom it may concern:*

Be it known that I, HARRIET MILES, of the borough of Manhattan, in the city of New York, State of New York, (post-office address in care of Nealon Company, Safe Deposit Co. of New York, 140 Broadway, New York,) have invented certain new and useful Improvements in Hose-Supporter Clasps, of which the following is a specification.

The use of a rubber button or a button with a rubber-covered shank with a loop partially embracing the shank and clasping the material between the shank and loop has long been known and used—as, for example, in the well-known button-and-loop clasp or fastener of Gorton patent, No. 552,470, December 31, 1895. Such fasteners have long been on the market in several different forms. One of the most desirable forms for many reasons is an all-rubber button integral with a flexible rubber back-plate, by which the button is secured to a hinge member to which the loop is hinged.

The object of the present invention is to improve these substantially all-rubber buttons so as to permit them to be used on women's garters and in other places where considerable strain is exerted upon them.

The present invention is based upon the fact that the reason the rubber head pulls out is because it undergoes a squeezing action when the hose or other fabric is pulled very hard, and this forces the head through the end of the loop, which normally is narrower than the head. To obviate this trouble, metal studs or rivets have been resorted to, and these have been surrounded with rubber to give them the desirable frictional grip. Unfortunately this has so far necessitated sewing the stud into the webbing at the back. No one, so far as I am aware, has combined in an integral stud and back-plate a structure capable of combining the advantages of the metal stud, on the one hand, and the combined all-rubber stud and back-plate, on the other hand. Under the present invention, however, these advantages are combined.

I make the rubber button and back-plate in a single finished piece, as heretofore; but

by employing a harder quality of rubber in the head of the button or stud than in the back-plate and also, preferably, than in the shank I have, in effect, a hard head, which cannot be pulled through the loop, combined with a soft backing and shank without requiring a rivet or other metallic part.

In the accompanying drawings, Figure 1 represents in perspective the back-plate and button of my device detached. Fig. 2, also in perspective, represents the complete device.

1 designates the back-plate, and 2 the button of my device, the two comprising a molded mass of rubber composition, of which the button part 2 is relatively rigid.

3 designates the loop into which the button is normally engaged.

I have shown the back-plate as provided with transverse corrugations 4, which, however, form no part of the present invention. In the present example of my invention the back-plate is provided near its upper end with apertures 5, in which engage prongs 6 of the metal loop, by which the loop and the back-plate are secured together. The back-plate is also provided with a transverse slot 7 and the loop with a similar transverse slot 8, through both of which passes a tape 9, by which the clasp is supported when in use. This method of uniting the back-plate and button with the loop and of providing means for the engagement of the supporting-tape is set forth and separately claimed in United States Patent No. 821,949, dated May 29, 1906, the application for said patent being of even date herewith.

What I claim, and desire to secure by these Letters Patent, is as follows:

1. In a clasp or fastener of the type having a yielding button and back-plate and an exterior loop or embracing member therefor, the improved button and back-plate comprising essentially a molded mass of rubber composition of relatively inflexible material at the head of the button and of relatively flexible material at the back-plate, for substantially the purposes set forth.

2. An integral button and back-plate for



the purpose set forth, the head of the button being of relatively inflexible material.

3. An integrally-molded button member for the purpose set forth, comprising a head  
5 of relatively inflexible material, a relatively flexible back-plate, and a connecting-shank.  
In testimony whereof I have signed this

specification in the presence of two subscribing witnesses.

HARRIET MILES.

Witnesses:

E. VAN ZANDT,  
E. LEE GAY.