

No. 764,984.

PATENTED JULY 12, 1904.

D. N. BOOTH.  
CLOTHES FASTENER.

APPLICATION FILED FEB. 24, 1904.

NO MODEL.

Fig 2

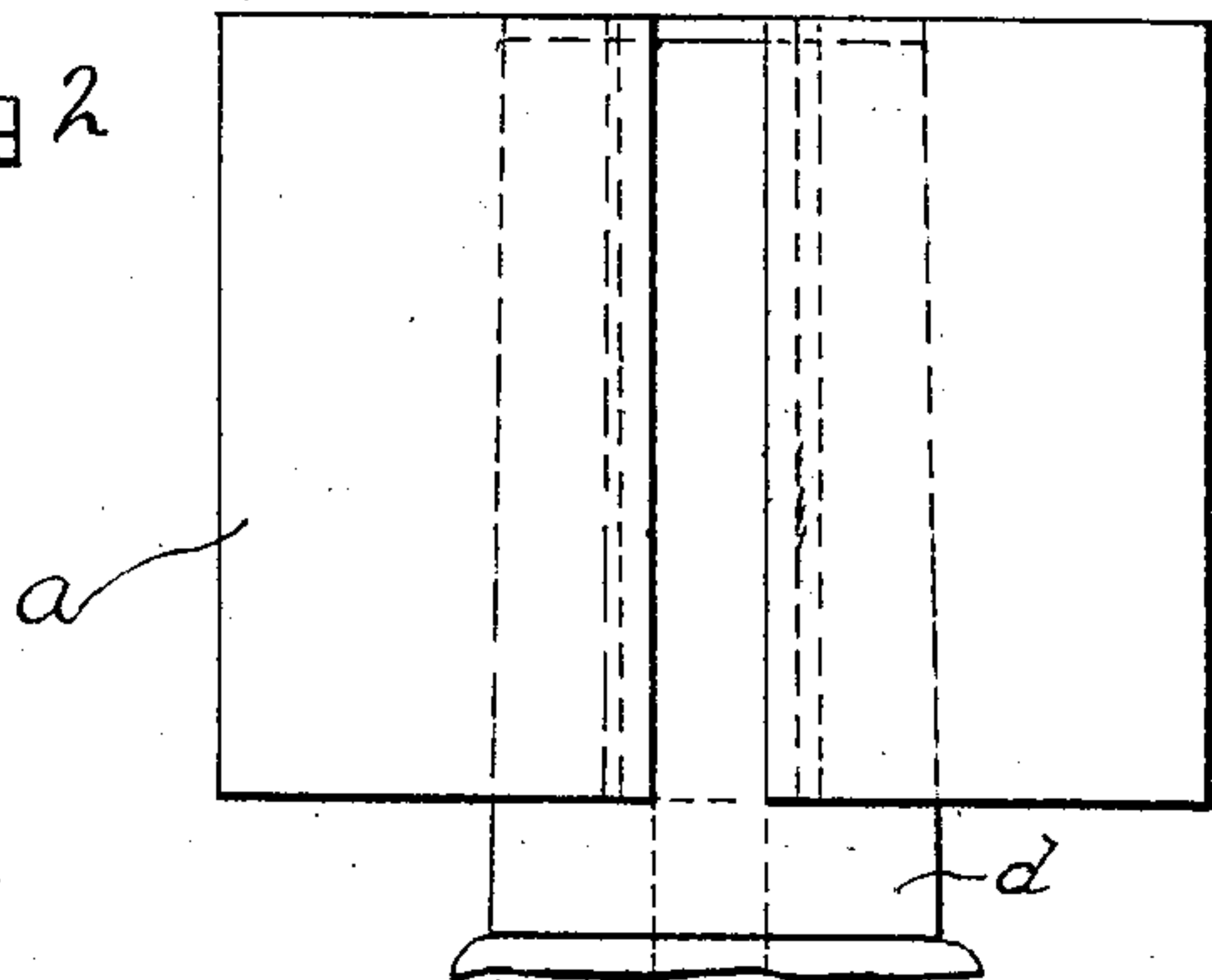


Fig 1

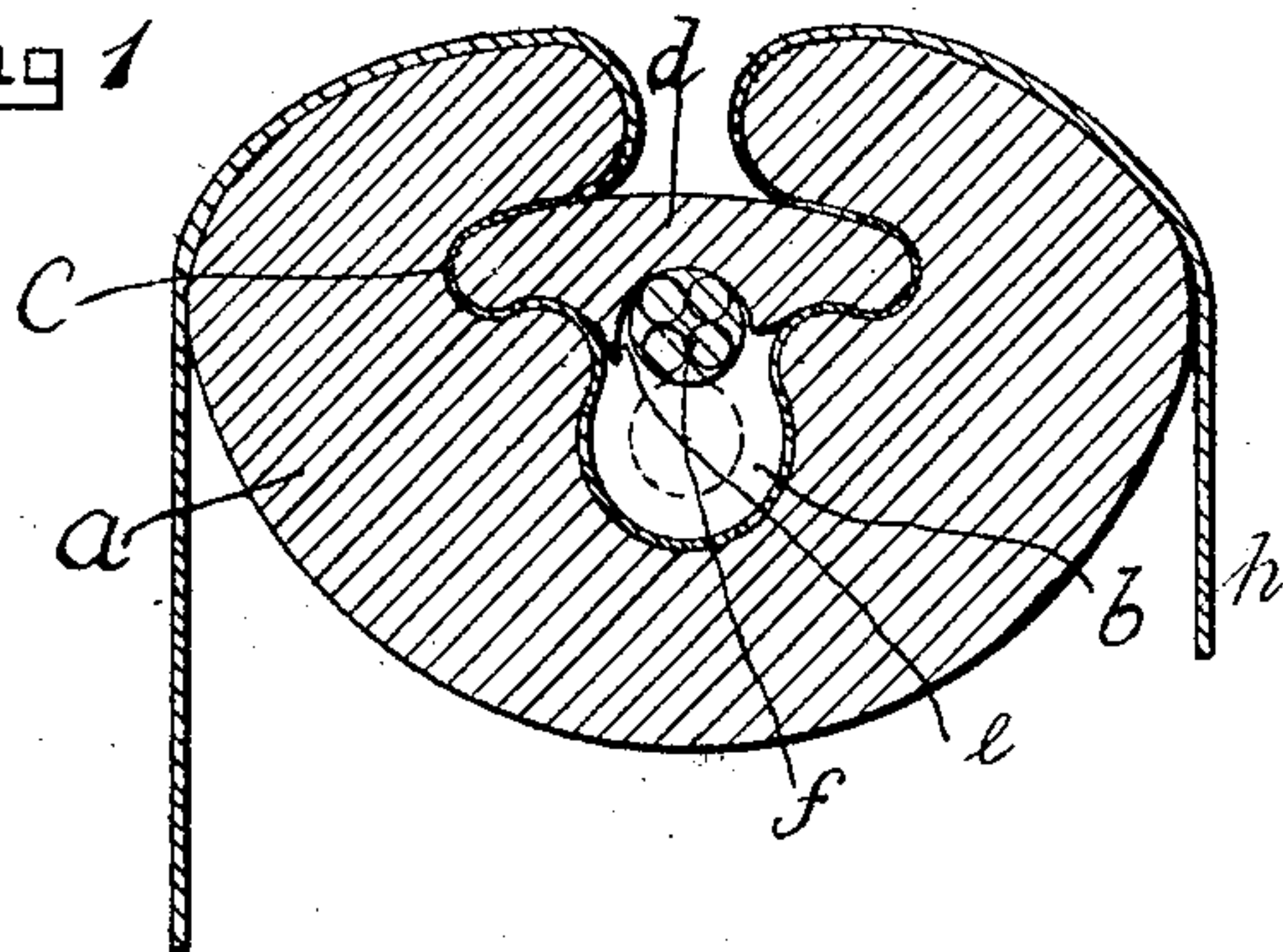


Fig 4

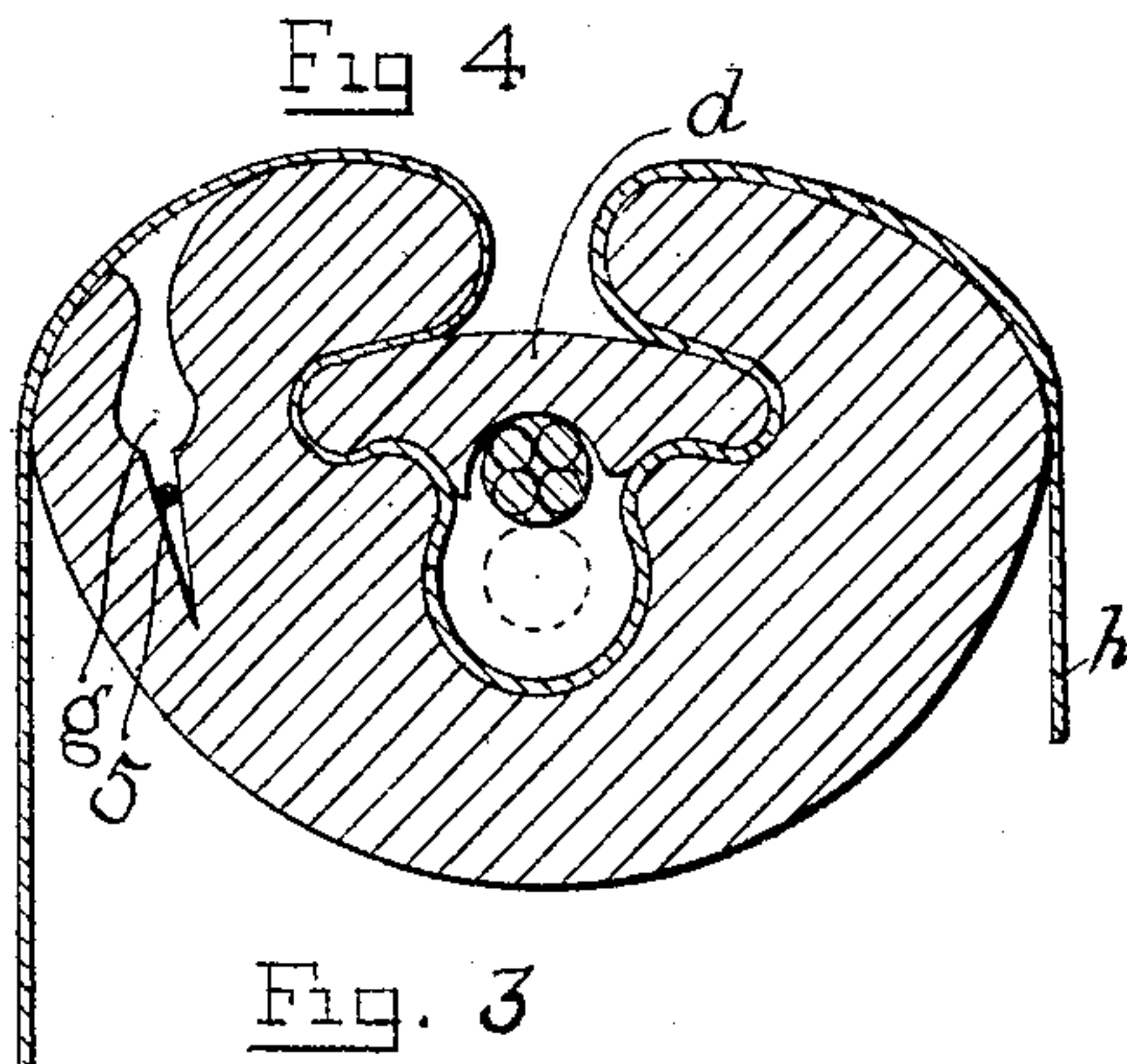


Fig. 3

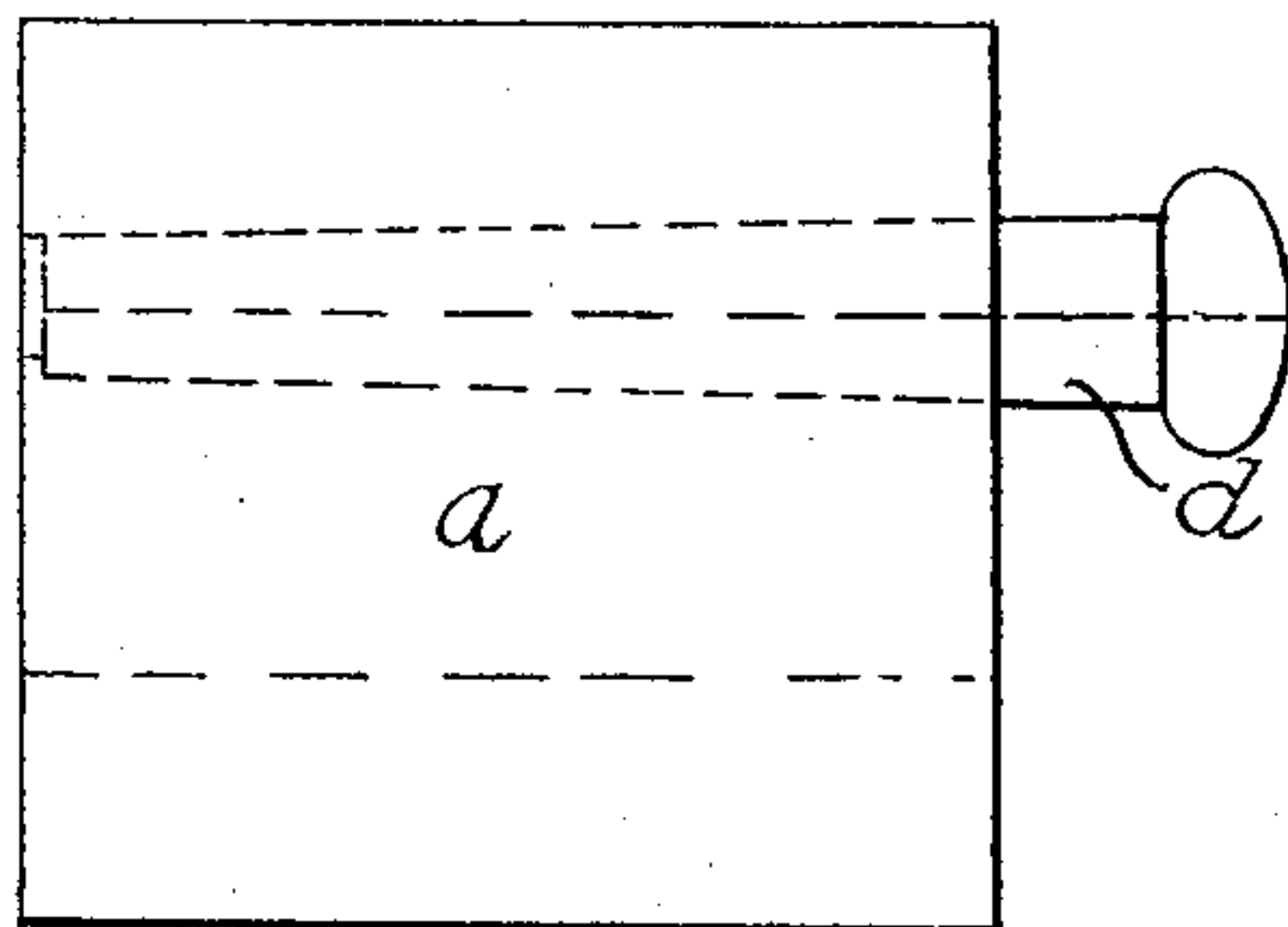


Fig 5

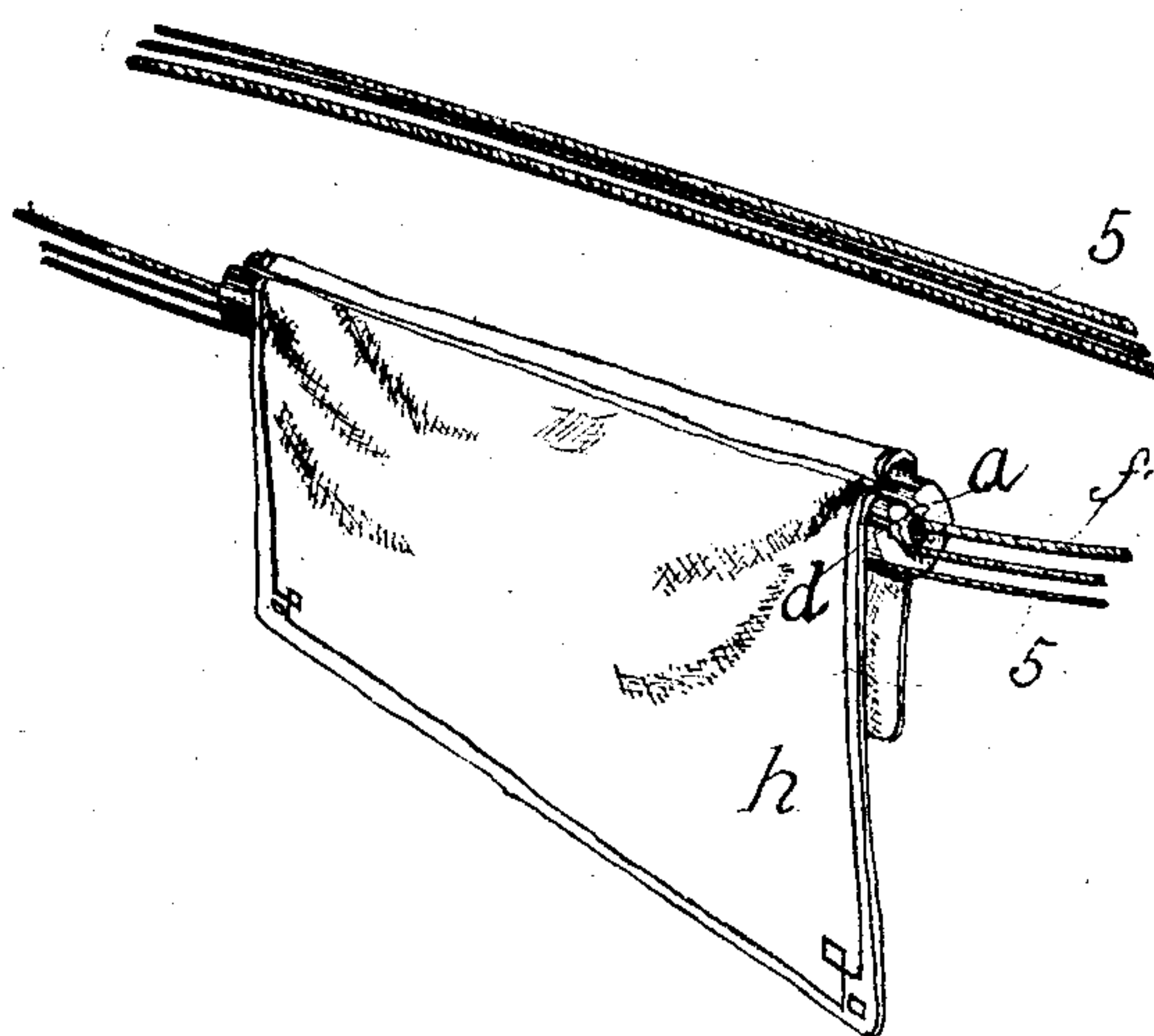
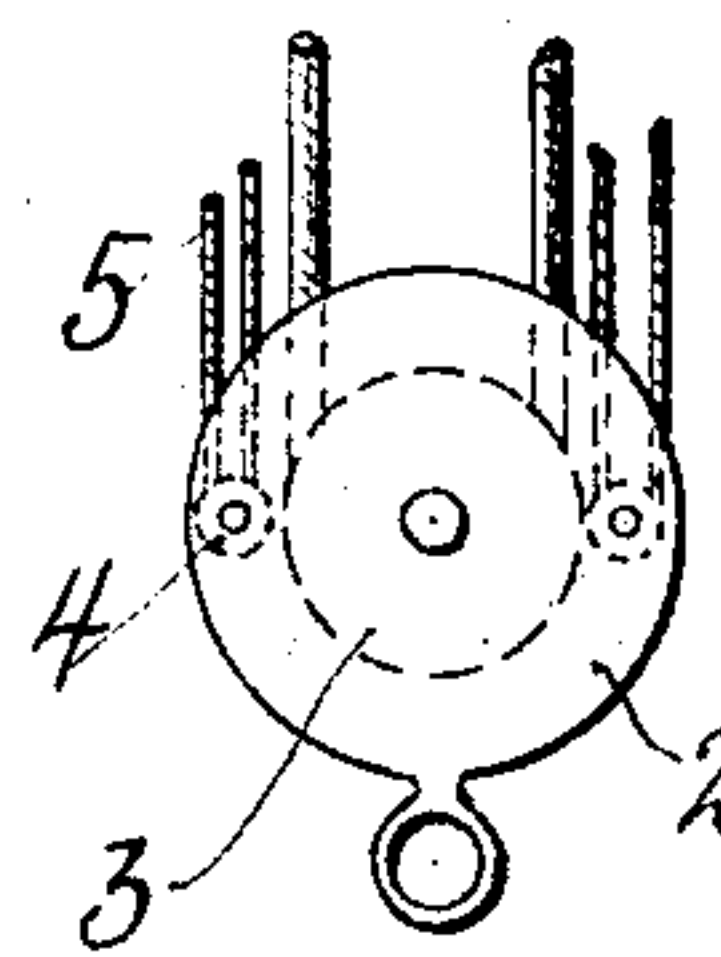
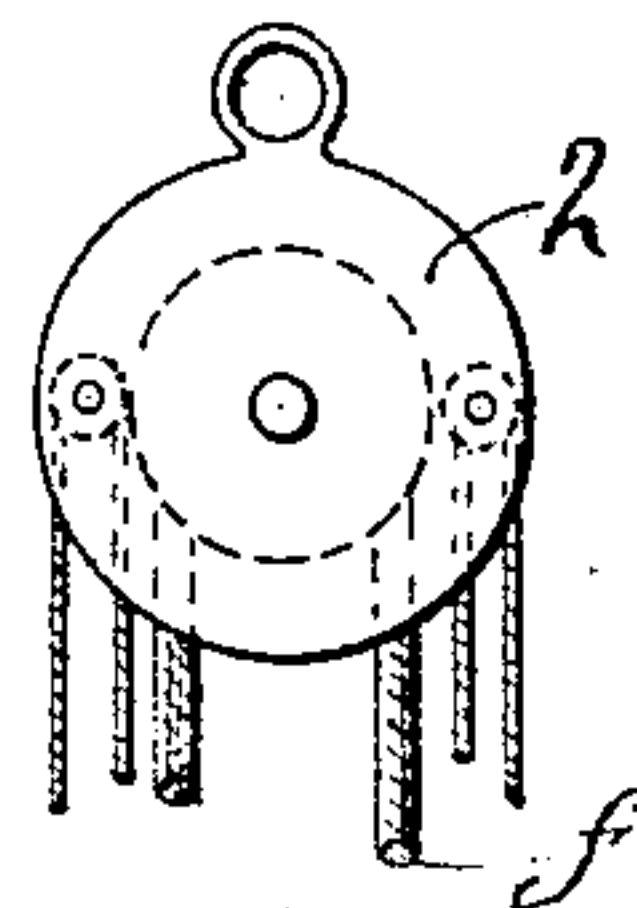


Fig 6



WITNESSES

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# UNITED STATES PATENT OFFICE.

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## CLOTHES-FASTENER.

SPECIFICATION forming part of Letters Patent No. 764,984, dated July 12, 1904.

Application filed February 24, 1904. Serial No. 195,017. (No model.)

*To all whom it may concern:*

Be it known that I, DAVID N. BOOTH, a citizen of the United States, residing in the borough of Manhattan, in the city, county, and State of New York, have invented an Improvement in Clothes-Fasteners, of which the following is a specification.

Heretofore in hanging out clothes to dry the clothes have been secured to the clothes-line by clothes-pins and various other devices, and in cities and other places where clothes are hung out from a window the clothes-lines employed are usually run on pulleys placed in such positions that one part of the line is directly above the other, and by this arrangement and the pins employed to secure the clothes to the line only the lower part of the line could be utilized.

The object of my invention is to provide a clothes-fastener by means of which the clothes may be hung on a line without being made tight to the clothes-line itself, allowing the rope to move freely in a recess provided in the fastener and by placing the clothes-line in a horizontal position—that is, side by side—both parts or any number of parts or sections of the line may be used.

In carrying out my invention I employ a block comprising the body portion of the clothes-fastener having a longitudinal recess therein and longitudinal tapering and undercut recesses in the side of the aforesaid recess. I also employ a tapering pin adapted to fit the said undercut recesses and having a substantially semicircular longitudinal recess in one side thereof. I may also provide the body portion of the clothes-fastener and at one side of the aforesaid longitudinal recess with a small V-shaped longitudinal recess in which an auxiliary rope is adapted to be wedged, as will be hereinafter described.

In the drawings, Figure 1 is a cross-section illustrating my improved clothes-fastener, and Figs. 2 and 3 are a plan and side elevation, respectively, of the same. Fig. 4 is a cross-section of a modification of the structure shown in Fig. 1. Fig. 5 is a perspective view illustrating the use of the form of my improved clothes-fastener as shown in Fig. 4, and Fig. 6 is a plan view of the pulley-

blocks adapted to be used with the same and located at the receptive ends of the line.

A block of wood or other suitable material in cross-section forms the body portion *a* of the clothes-fastener and is provided with a central longitudinal recess *b*. The sides of the recess at correspondingly-opposite points are undercut, thereby providing the longitudinal tapering recesses *c*.

*d* represents a pin whose sides are rounded and tapering, so that the same is adapted to fit and be wedged into the undercut recesses *c*, one side of the pin *d* being provided with a substantially semicircular longitudinal recess *e*, in which recess the clothes-line *f* is adapted to run.

As shown in Fig. 4, I may employ a small V-shaped longitudinal recess *g*, running at one side of the recess *b*. In using my improved clothes-fastener it is essential that the parts of the clothes line or rope *f* be placed in a substantially horizontal position, and, as shown in Fig. 6, it may be advantageous to provide the pulley-blocks 2, around the pulleys 3 of which the main rope *f* passes, with auxiliary pulleys 4, around which the auxiliary ropes 5 run.

In using my improved fastener the piece of cloth or other material *h* to be hung out to dry is placed over the recess *b*. The rope *f* is then passed into the recess, forcing the cloth down to the bottom of the same, after which the pin *d* is inserted, wedging the cloth into the tapering recesses *c* and so maintaining the same firmly in position. Now it will be apparent that by the weight of the cloth the rope *f* will take its place in the recess *e* in the side of the pin *d*, and in order that the rope may not come in contact with the cloth the recess *e* is slightly offset from a central position in the pin *d*. It will now be apparent that when one side of the clothes-line is filled the rope may be run in the opposite direction, passing through the fasteners on one side of the line, so that the other side may also be filled, practically all the friction in the sliding rope being between the same and the surface of the recess in the pin *d*.

I find it expedient when heavy pieces are to be dried to employ auxiliary ropes 5, wedging



the same in the recesses *g* after the clothes have been placed in position to insure the fasteners assuming the position, which is not so far removed from a vertical one, as to cause  
 5 the rope *f* to come into contact with the clothes.

In hanging out clothes with my fastener piece after piece is secured to one side of the main rope *f*, shifting each piece along either  
 10 by moving it with the main rope or pulling the auxiliary rope on the side next to the part of the main rope upon which the clothes are being hung until that part of the main rope is filled, after which any number of turns or  
 15 parts of the rope may be filled in a similar manner.

I claim as my invention—

1. A clothes-fastener, comprising a body portion having a longitudinal recess therein,  
 20 and means for binding the clothes to the body portion within said recess separate from and independently of the clothes-line thereby permitting the clothes-line to be moved freely within the recess.

25 2. A clothes-line, comprising a body portion having a longitudinal recess therein adapted to receive a clothes-line and a pin adapted to be wedged into the said recess in the body portion to bind the clothes to the body por-

tion within said recess therein separate from 30 and independently of the clothes-line, thereby permitting the clothes-line to be moved freely within the fastener.

3. A clothes-fastener, comprising a body portion having a longitudinal recess therein 35 and longitudinal tapering undercut recesses in the walls of the aforesaid recess, and a tapering pin adapted to fit into said undercut recesses to bind the clothes therein independently of the clothes-line, said pin having a lon- 40 gitudinal and substantially semicircular recess in the under side thereof in which the rope may be moved freely within the fastener.

4. A clothes-fastener comprising a body portion having a longitudinal recess therein 45 and longitudinal tapering undercut recesses in the walls of the aforesaid recesses and also having a longitudinal V-shaped recess at one side of the aforesaid recess, and a tapering pin adapted to fit said undercut recesses and hav- 50 ing a longitudinal substantially semicircular recess in the under side thereof.

Signed by me this 5th day February, 1904.

D. N. BOOTH.

Witnesses:

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 BERTHA M. ALLEN.