

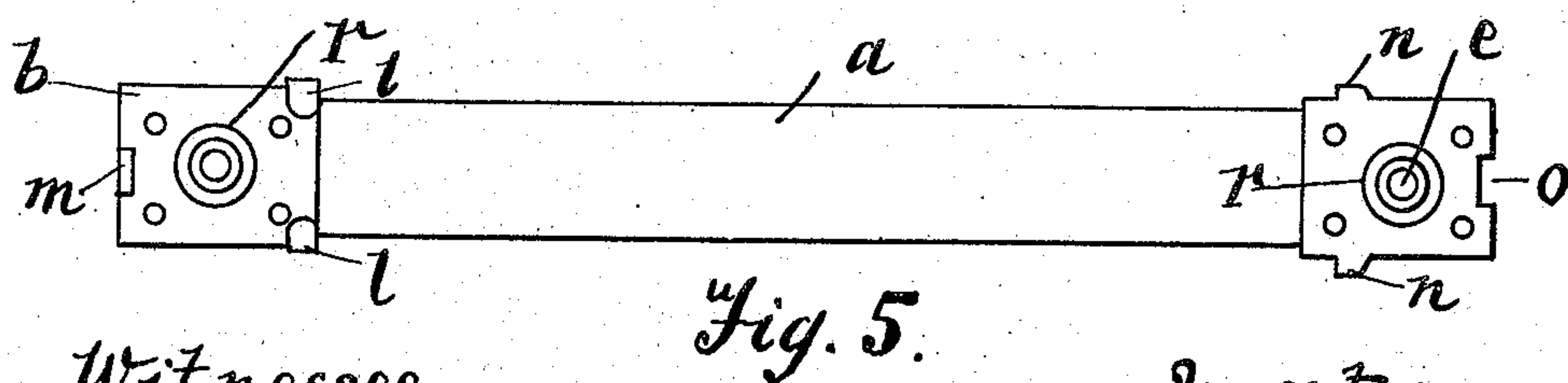
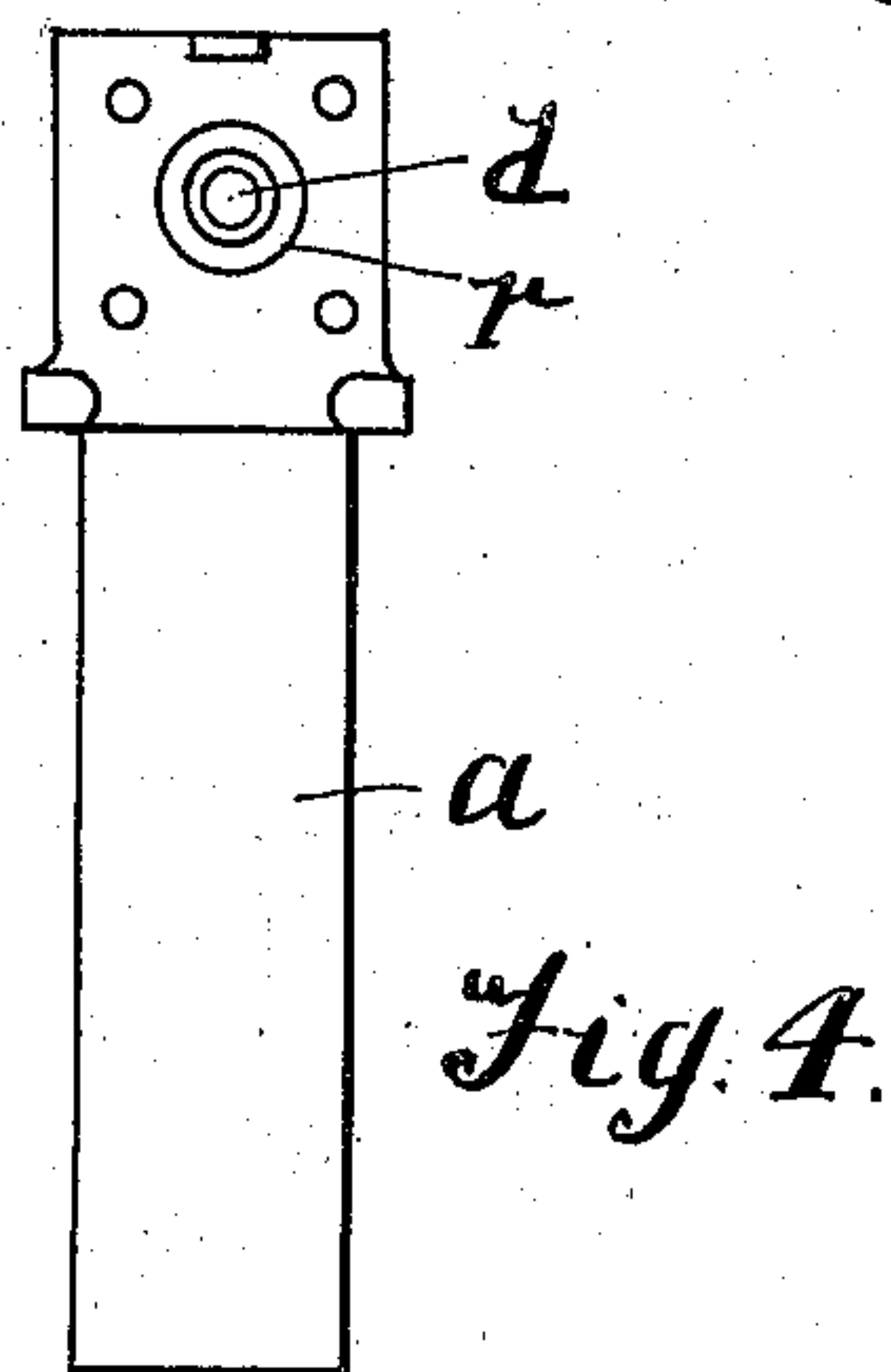
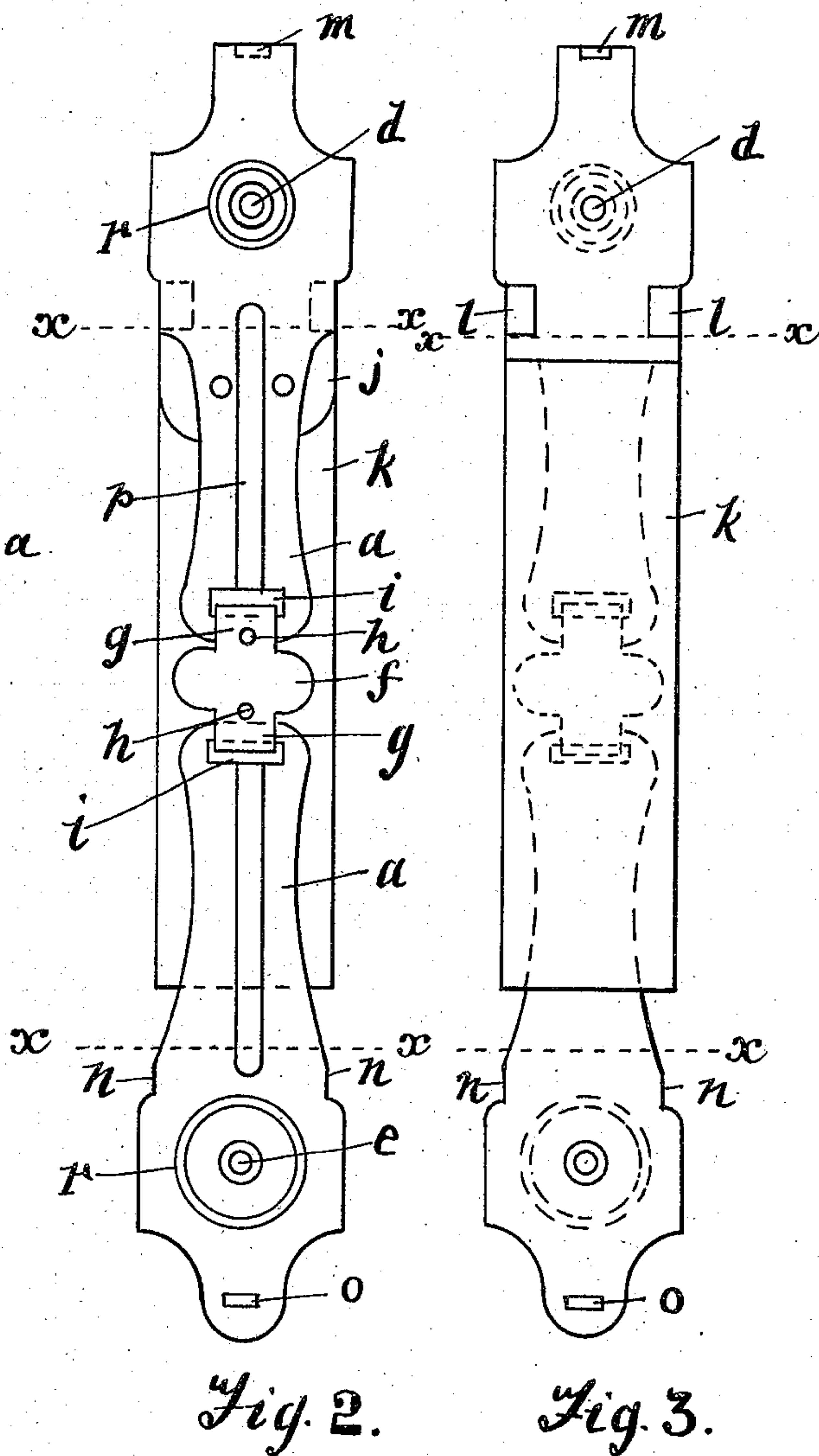
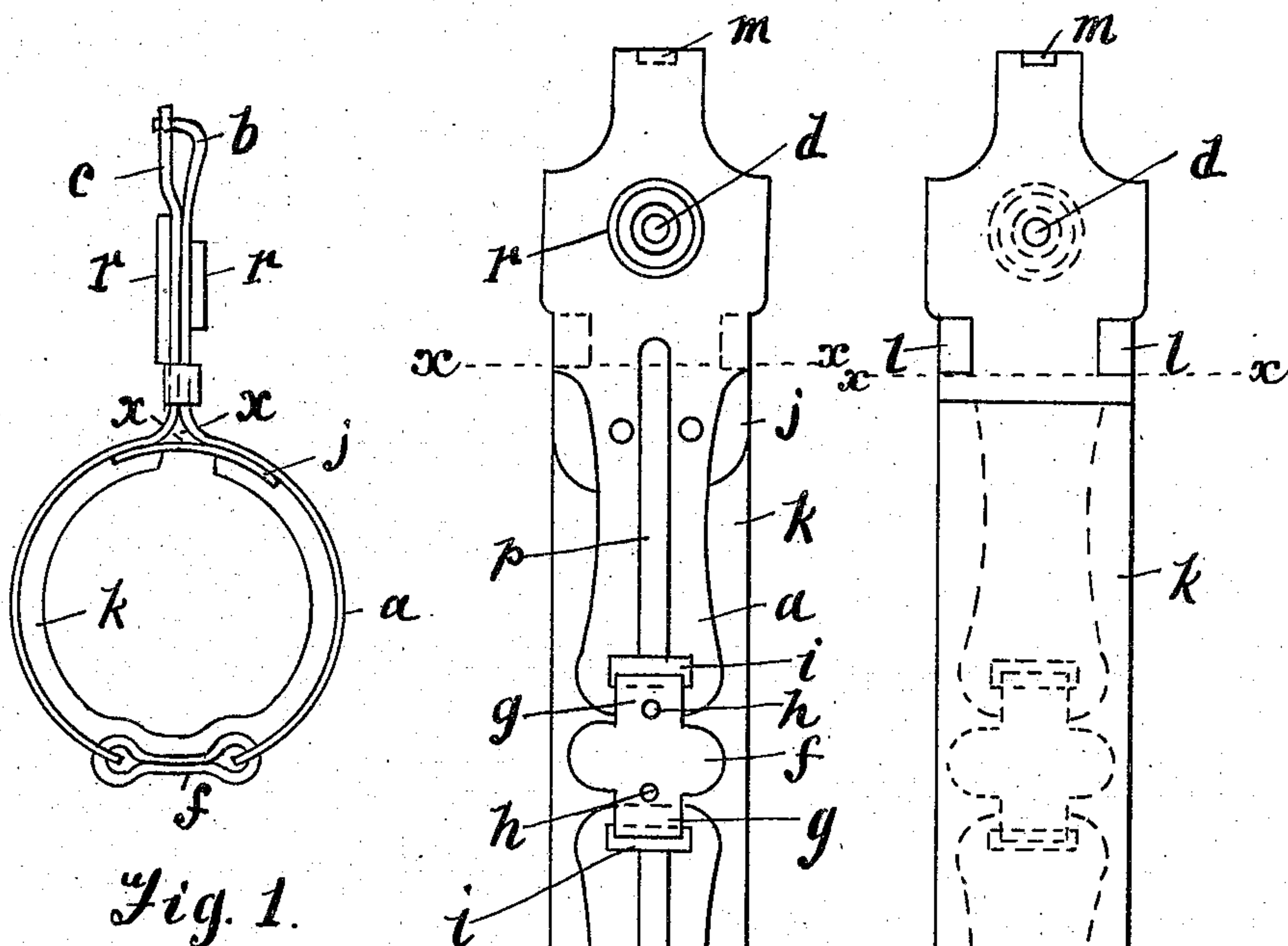
No. 894,548.

PATENTED JULY 28, 1908.

F. H. STERLING.  
BAG, PARCEL, AND BOX FASTENER.

APPLICATION FILED AUG. 22, 1907.

2 SHEETS—SHEET 1.



Witnesses

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2 SHEETS—SHEET 2.

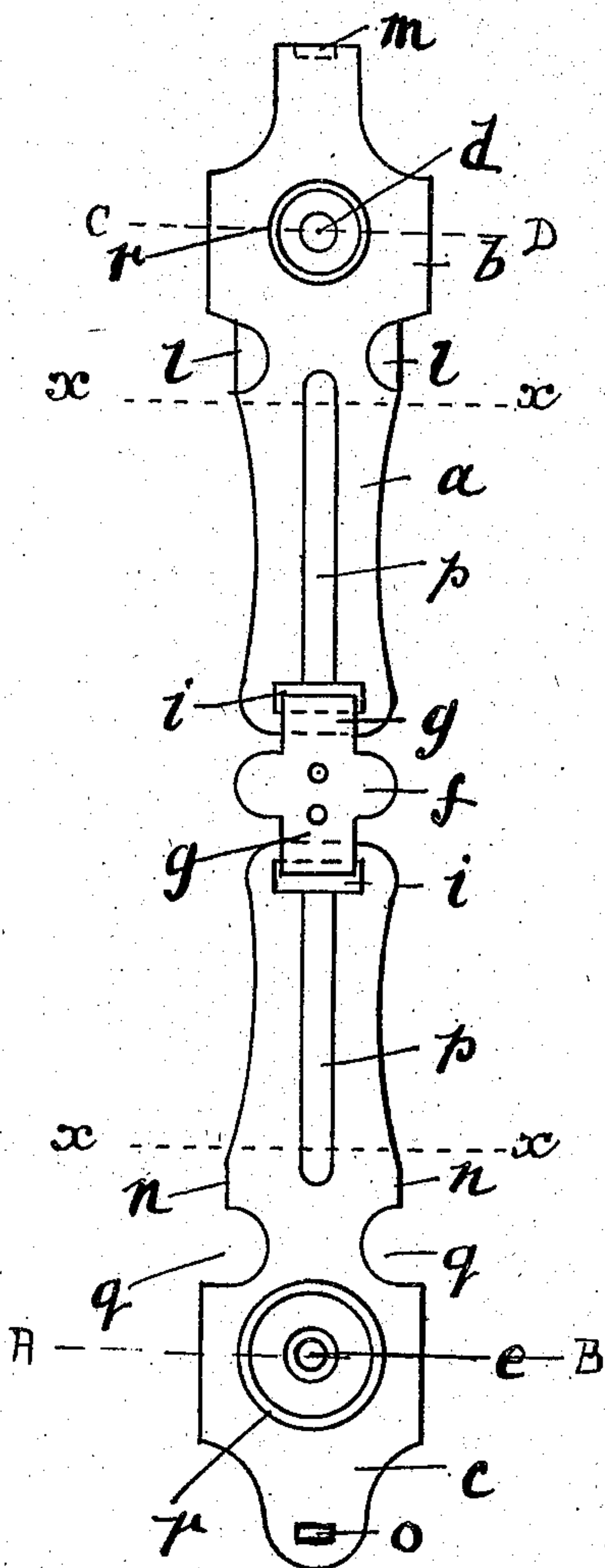


Fig. 6

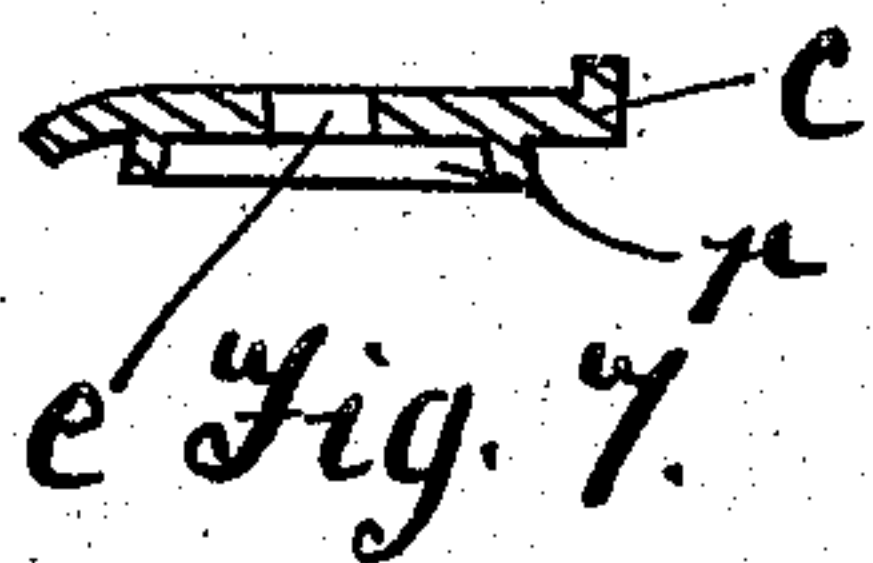


Fig. 7.

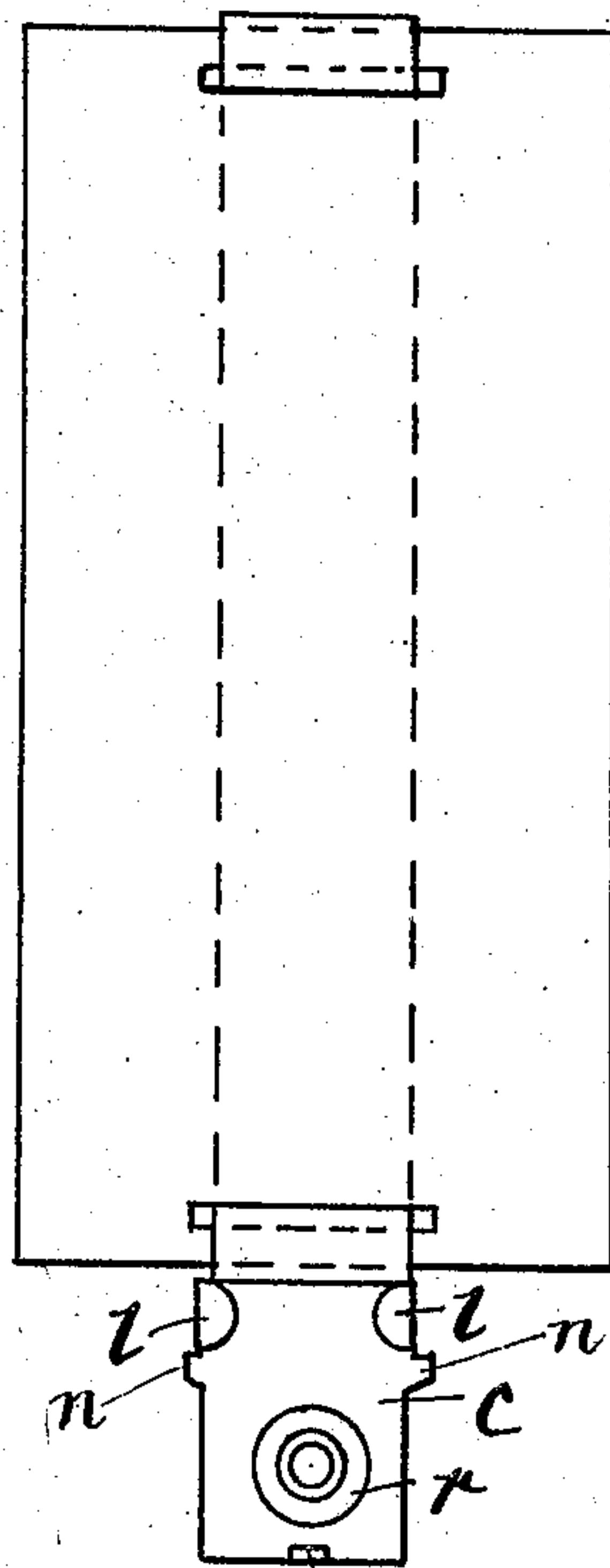


Fig. 9

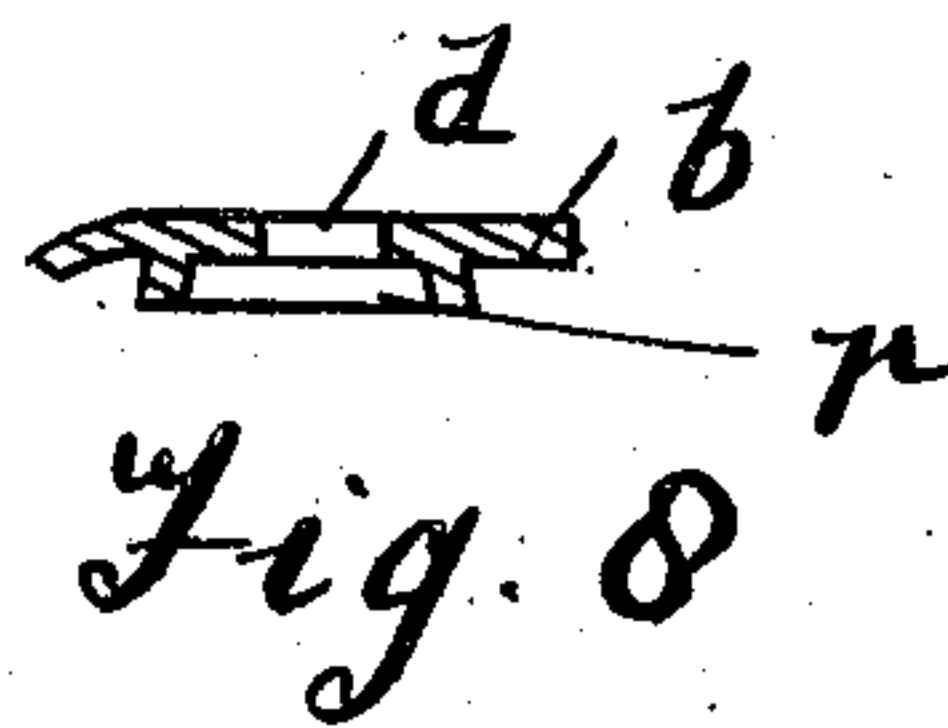


Fig. 8

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# UNITED STATES PATENT OFFICE.

FRANK HENRY STERLING, OF CLERKENWELL, LONDON, ENGLAND.

## BAG, PARCEL, AND BOX FASTENER.

No. 894,548.

Specification of Letters Patent.

Patented July 28, 1908.

Application filed August 22, 1907. Serial No. 389,708.

*To all whom it may concern:*

Be it known that I, FRANK HENRY STERLING, a subject of the King of Great Britain, residing at 80 Myddleton street, Clerkenwell, in the county of London, England, and Kingdom of Great Britain, have invented new and useful Means for the Fastening of Bags, Parcels, and Boxes, of which the following is a specification.

My invention relates to improvements in means for the fastening of bags, parcels, and boxes and the object of my invention is to provide a simple, inexpensive, efficient and generally improved means for the purpose.

My invention consists essentially of two interlocking metal plates or parts which are respectively attached to or formed integral with the respective ends of a band of metal or other suitable material said plates or parts being constructed with ear pieces and another piece or pieces on one plate or part which are adapted to engage with suitably formed portions on the other plate or part when the band is passed round the bag sack parcel or the like to be secured and sealed and each plate or part is perforated to receive a soft metal rivet.

My invention is illustrated by the accompanying drawings in which:—

Figure 1 represents side view of an appliance or device for closing and sealing sacks bags and the like constructed according to this invention—closed—having a lining of leather, rubber, or other flexible gripping material. Fig. 2 is outside view of same opened out. Fig. 3 is inside view of same. Fig. 4 shows a band of webbing or the like for closing sacks, bags, and the like, or for securing boxes, parcels, and the like, having attached thereto plates or parts constructed according to this invention. Fig. 5 shows same opened out. Fig. 6 shows another form of my invention and showing the band without the lining of leather or other material. Fig. 7 is section on line A B Fig. 6. Fig. 8 is section on line C D Fig. 6. Fig. 9 shows method of applying my invention to the securing and sealing of packages or parcels.

The same letters denote the same parts in all the figures.

*a* is a band of metal, leather, webbing or of any other suitable material formed integral with or attached to which are metal plates or parts *b*, *c* having perforations *d*, *e*, therein to receive a soft metal rivet such as

lead or an alloy thereof the rivet being soft enough to have a seal impressed on one or both ends thereof when riveted up.

The band *a* shown by Figs. 1, 2, and 3, is made of metal in two portions connected together by a link *f*. The link *f* is made of a piece of sheet metal and may be in the form of a cross with two long and two short arms the long arms *g g* being passed through slots *i i* in the band *a* turned over inwards and secured by rivets *h h* or by brazing or any other suitably shaped piece may be employed capable of hinging the two outer portions of the band together. The said plates or end parts, when the band is of metal, are arranged at an angle to the band at the points indicated by dotted lines at *x*, Figs. 2, 3, and 6 and as shown by Fig. 1.

*j* is a piece of metal secured by rivets or otherwise to the band *a* to form a spring to enable the band to be easily opened when it is necessary to release the sack or bag from the appliance.

Secured to the inside of the band *a* in all cases when the band is of metal, may be a piece of india rubber, leather, felt, or other suitable material *k* to afford a good grip round the sack or bag when gathered up and inclosed by the band.

The portion or plate *b* of the band *a* and the plate *b* shown by Figs. 4 and 5 have ear pieces *l l* thereon the said ear pieces being turned over towards each other on the inside of the band to receive the portions *n n* of the plate or portion *c* of the band.

*m* is a lug made integral with the plate or portion *b* which engages with a slot or recess *o* in the other plate or portion *c* when the band is secured round a bag or sack or parcel.

When the band *a* has been placed round a bag or sack or parcel the portion *n n* of the plate or end *c* is slid inwards into the ear pieces *l l* and the lug *m* pushed into the slot or recess *o* thus firmly securing the band in place.

To prevent the band from being removed by unauthorized persons a rivet of soft metal is passed through the apertures *e* and closed by any suitable means a seal or seals being impressed thereon at same time if desired.

The apertures *e e* are surrounded by a raised rim *r*. The raised rim is made conical as shown by Figs. 7 and 8 in order to allow the punch, which closes the rivet and forms the seal, to enter the rim easily.



The band shown by Figs. 6, 7, and 8 is made of metal and is not provided with a leather or other grip inside and in order to strengthen the band (in all cases, preferably, where the band is of metal) a groove *p* is formed in each end portion thereof. The plate or portion *c* in the band as shown at Fig. 6 is cut away at *g g* to allow the ear pieces *l l* to pass through the cut away portion when the band is passed round a sack or bag and the plate or portion *c* is then pushed outwards until the parts *n n* engage with the ear pieces *l l* and the lug *m* enters the slot *o*. The band is then riveted and seal impressed.

In the cases shown by Figs. 1, 2, 3, and 6, and as illustrated by Figs. 7 and 8 the plate or portion *c* has one side bent downwards and the other side bent upwards while the plate or portion *b* has one side bent downwards and the remaining portion thereof plane so that when the two plates or portions *b* and *c* come together the plane side of *b* is in contact with the turned up portion of *c* and the two downwardly bent sides flare outwards relatively to the band to enable a knife to be inserted between the plates or parts *b* and *c* to cut the rivet the turned up portion of *c* forming a guard to prevent the operator from cutting his hand.

A parcel or package or a box may be secured as shown by Fig. 9 by passing a band of webbing or the like through slots in the package, parcel, or box, bringing the free ends together and placing metal plates *b, c*, on such ends respectively and riveting through. Or the plates may be secured to the band by rivets as shown by Figs. 4 and 5. In all cases if raised rims *r* (see Figs. 1, 7 and 8) are used to receive the rivet heads the said rims are made conical as shown to allow the riveting and sealing dies to enter and leave the said rim easily.

I am aware that prior to my invention metal and other bands have been employed

for securing receptacles I therefore do not claim a band broadly.

What I claim as my invention and desire to secure by Letters Patent is:—

1. In a device for securing and sealing bags, sacks, parcels, boxes, and the like, the combination of a band adapted to encircle the mouth of a sack or bag or a parcel, box, or the like, with metal plates at each end of said band one plate being formed with ears and a lug adapted to engage with suitably formed portions on the other plate there being a rivet hole in each plate all substantially as specified.

2. In a device for securing and sealing bags, sacks, parcels, boxes, and the like the combination of a band adapted to encircle the mouth of a sack or bag or a parcel, box, or the like, with metal plates at each end of said band one plate being formed with ears and a lug adapted to engage with suitably formed portions on the other plate each of said plates having a rivet hole surrounded by a rim all substantially as specified and for the purpose stated.

3. In a device for securing and sealing bags, sacks, parcels, boxes, and the like the combination of a band adapted to encircle the mouth of a sack or bag, or a parcel, box, or the like, with metal plates at each end of said band one plate being formed with ears and a lug adapted to engage with suitably formed portions on the other plate each of said plates having a rivet hole surrounded by a rim, the part of the meeting portions of said plates being bent outwards for the purpose stated.

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

FRANK HENRY STERLING.

Witnesses:

H. C. FOWLER,  
B. H. FOWLER.