

(No Model.)

H. M. TILESTON.
BAND FASTENER.

No. 485,482.

Patented Nov. 1, 1892.

Fig. 1

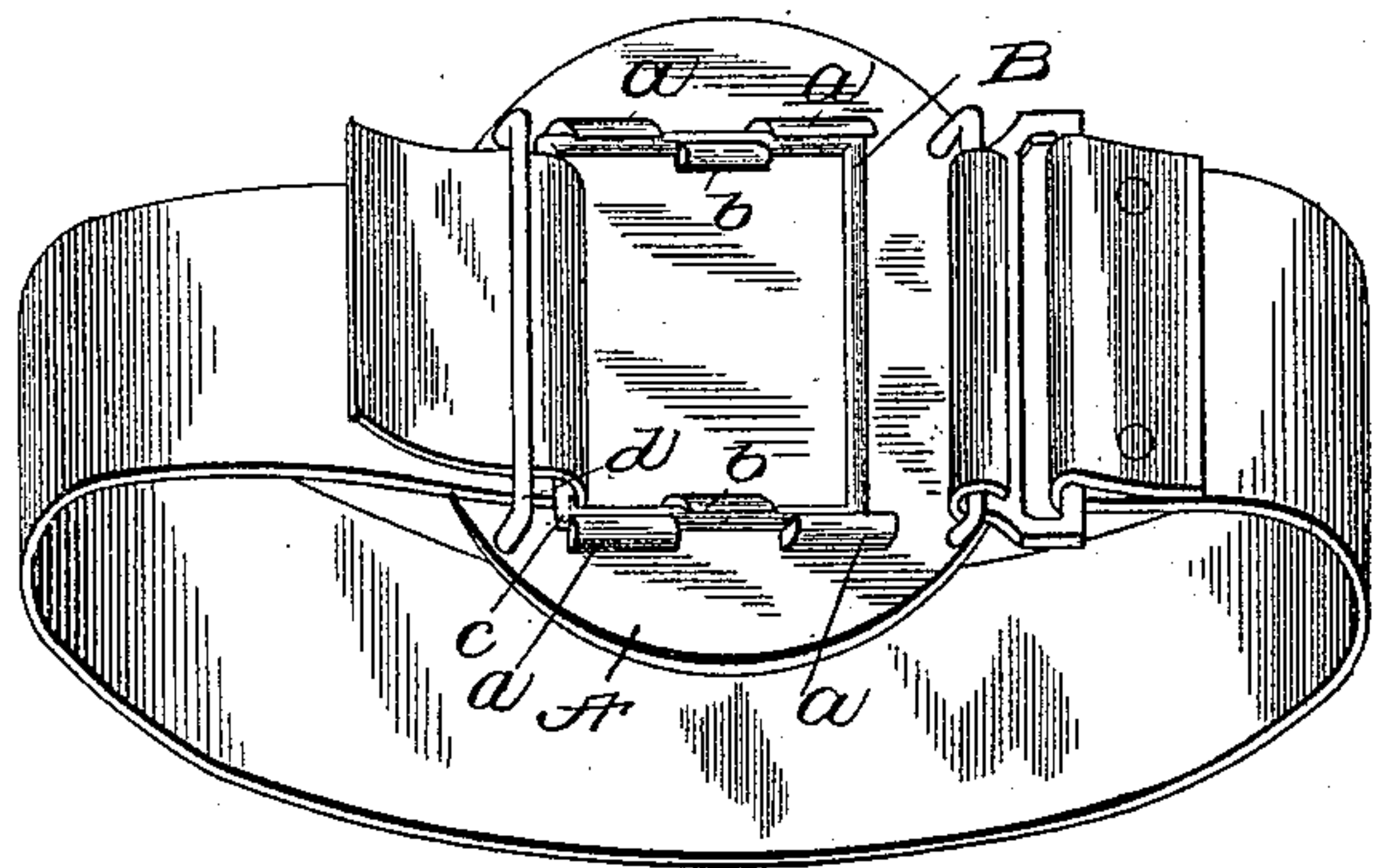


Fig. 2

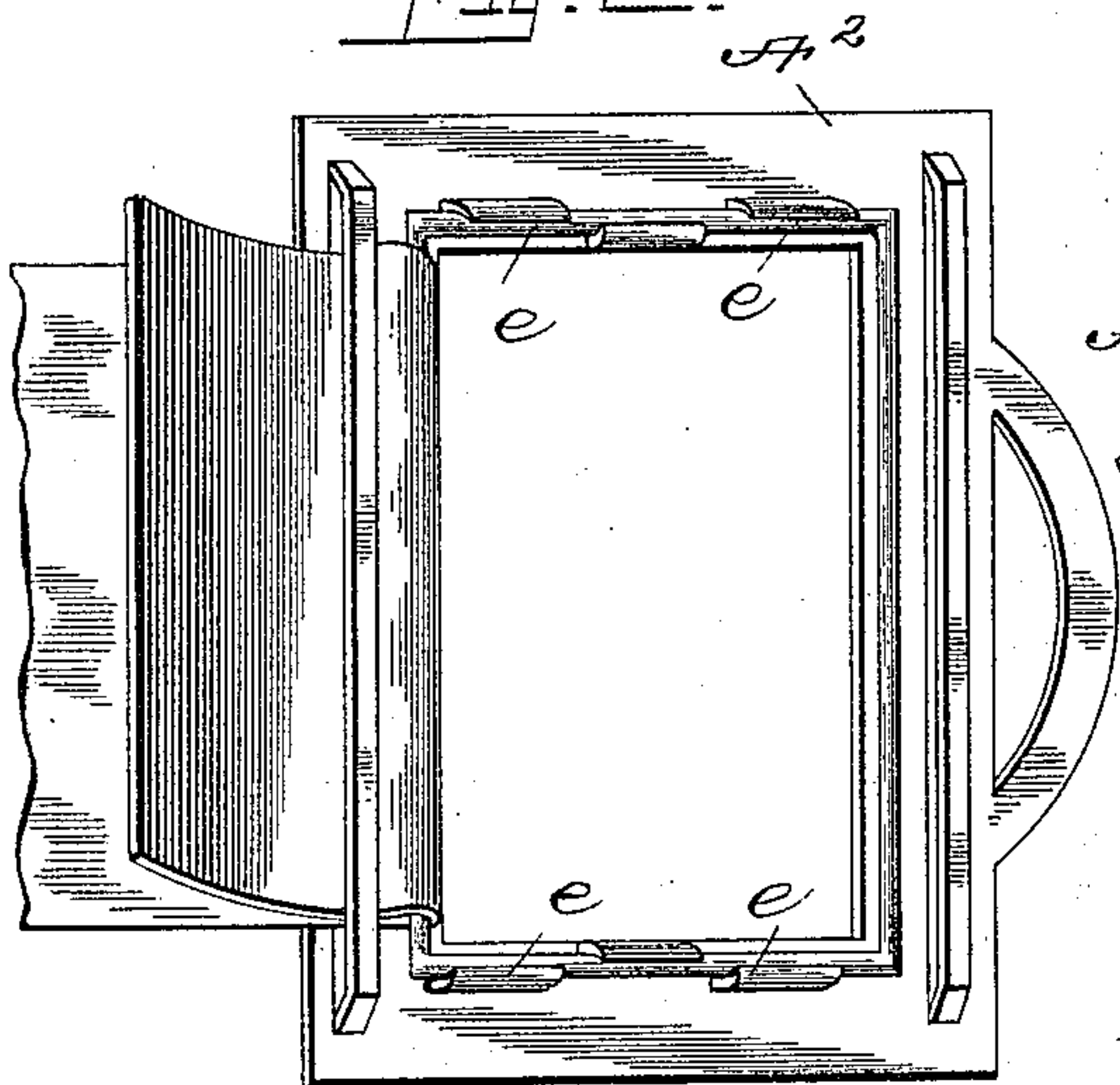


Fig. 3

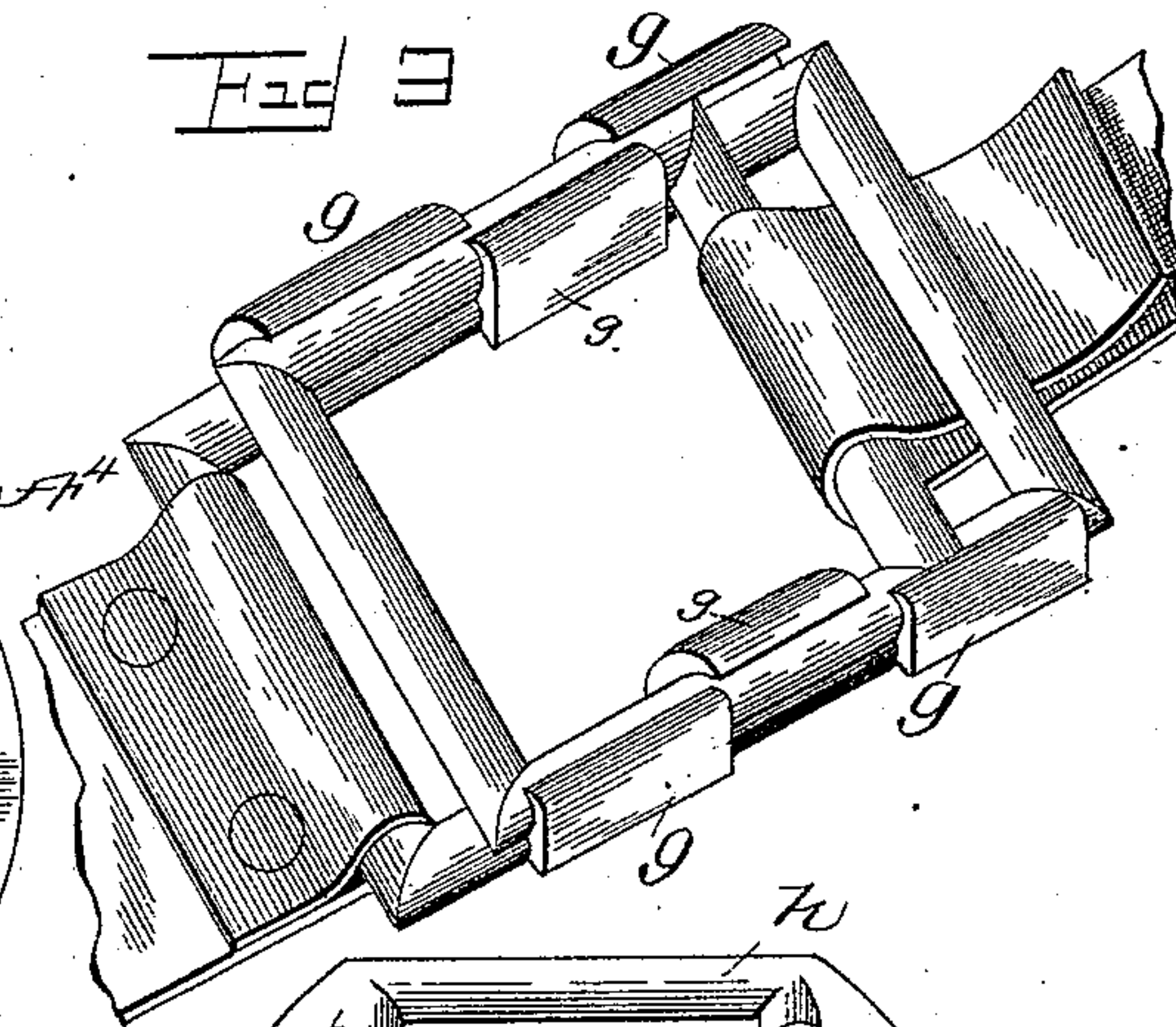


Fig. 4

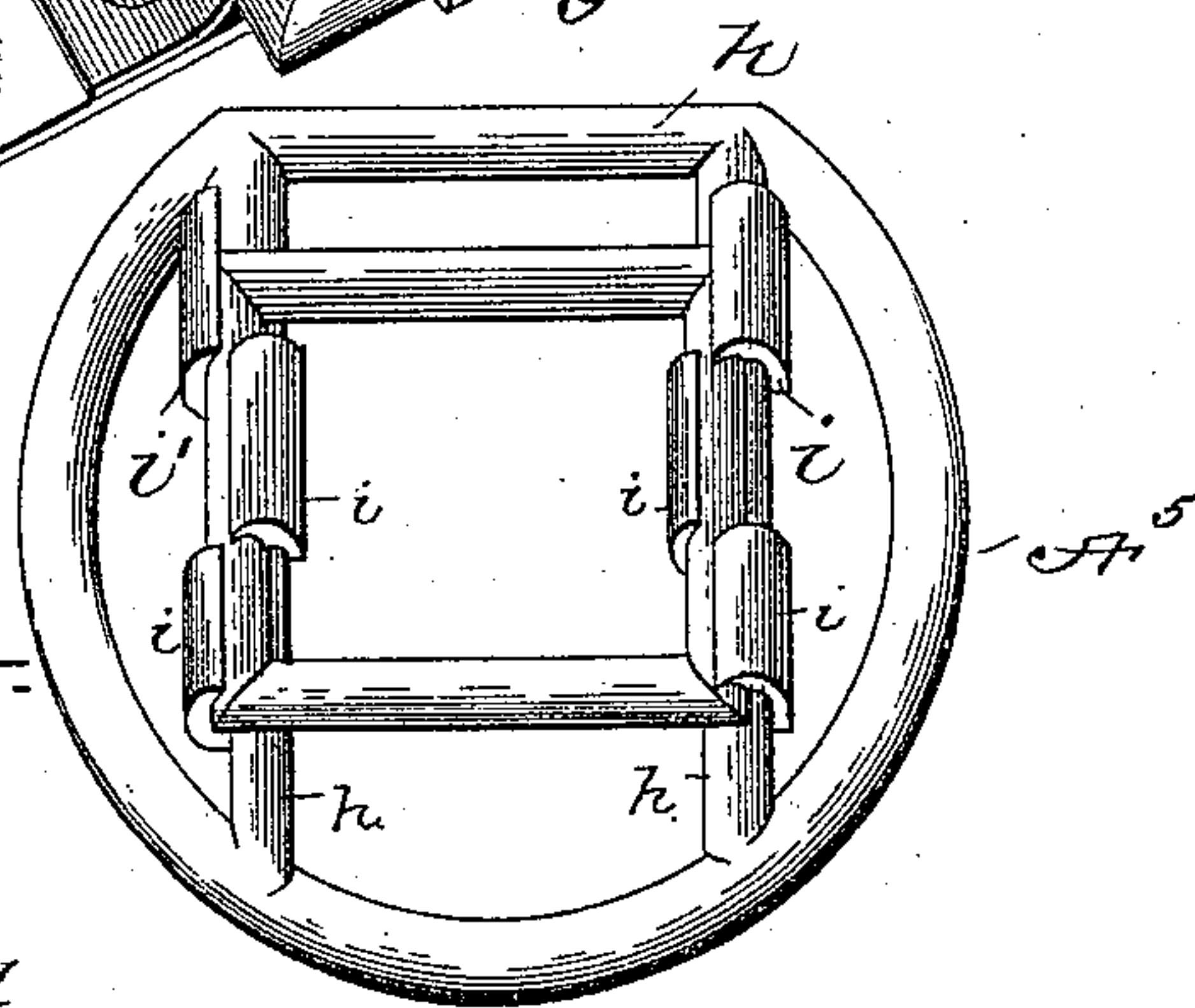
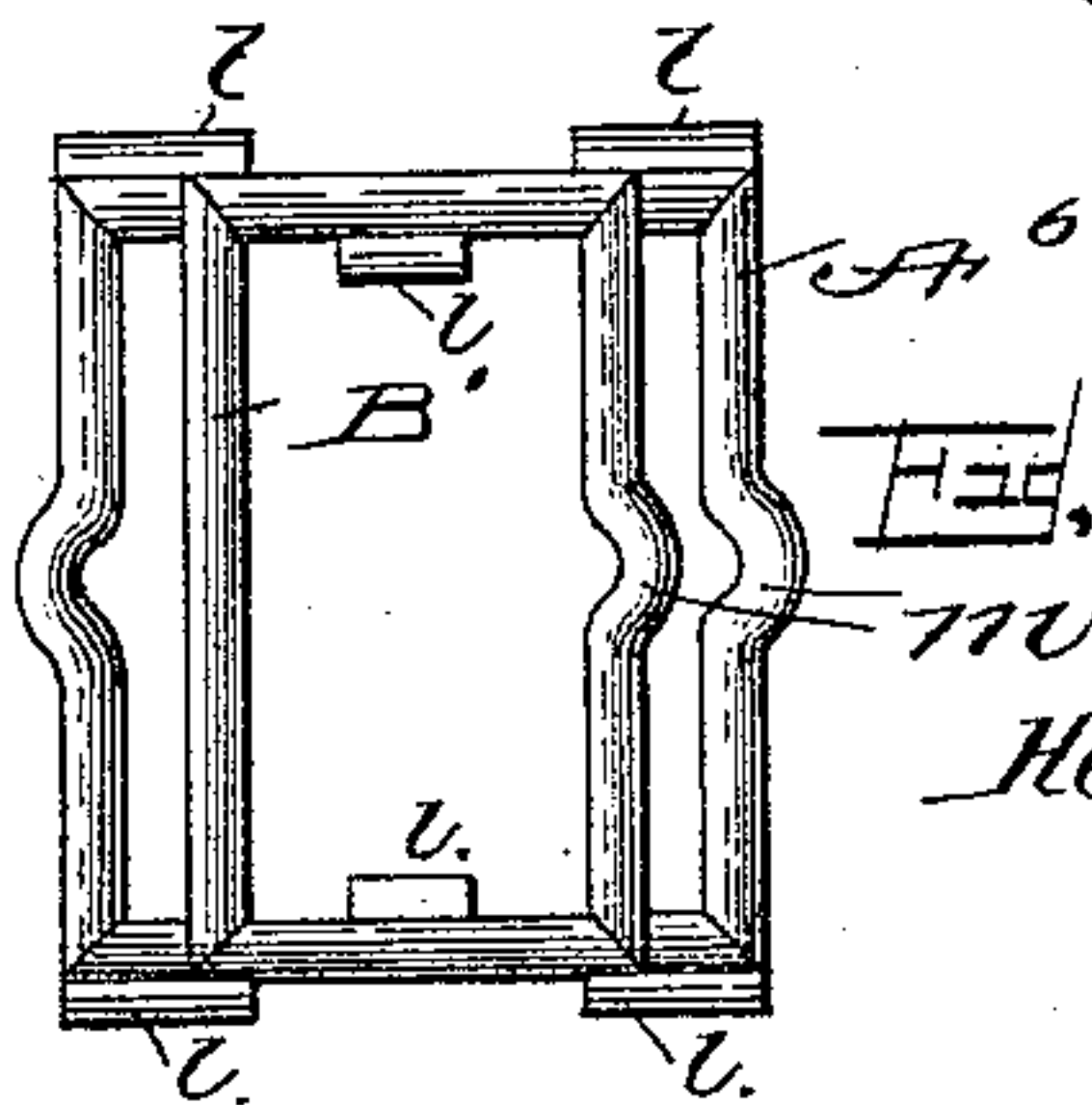


Fig. 5



Witnesses

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BAND-FASTENER.

SPECIFICATION forming part of Letters Patent No. 485,482, dated November 1, 1892.

Application filed June 17, 1892. Serial No. 437,026. (No model.)

To all whom it may concern:

Be it known that I, HENRY MERRILL TILESTON, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Band-Fasteners, as set forth in the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of a two-part band-fastener embodying my invention, showing integral lugs projecting from the face of one of said parts to receive and form a guide for the slide or other part. Fig. 2 is a modification showing lugs projecting inwardly and outwardly from the opposite ends of one of the parts and adapted to be bent in opposite directions to form the keeper or guide for the other part. Fig. 3 represents the same fastener with lugs projecting from both sides of one of the parts of the fastener. Fig. 4 shows a ring with integral parallel bars provided with lugs on opposite sides. Fig. 5 is a plan view showing one of the parts of the fastener provided with lugs at its ends and depressions or noses at its sides.

My invention relates to tongueless buckles or strap or band fasteners generally. It is an improvement on my former application, Serial No. 417,040, filed January 4, 1892; and it consists, essentially, in forming a fastening of two parts, one of said parts being provided with integral lugs extending from its face and forming a guide or keeper for the other or slidable portion of the device.

My invention also consists of the constructions, combinations, and arrangements of parts which I shall hereinafter fully describe and claim.

To enable others skilled in the art to which my invention appertains to make and use the same, I will now describe its construction and indicate the manner in which the same is carried out.

The several forms of devices illustrated in the drawings relate to the same device, and their shape and configuration are modified simply to suit the various uses of the fastener.

When using my invention as a fastening for girths, bands, or cinches, I prefer to use the forms shown in Figs. 3 and 4, for belts the form shown in Figs. 1 and 2, and for ropes, fall and tackle, fire-escapes, tents, awn-

ings, &c., the form shown in Fig. 5; but in each case the fastener is provided with the same means for permitting one of the parts to slide freely upon and be retained in position on the other.

For belts for the use of the military or for other like purposes I may use what is known as the "Shield U. S." style of pad-shield or wear-plate A, (see Fig. 1,) in which case the plate is cast or otherwise formed near two of its sides with lugs *a*, projecting from one of its faces, and also with lugs *b* projecting from said face near the center and in a plane slightly to one side of the plane of the lugs *a* to form a guide-way or channel for the reception of the plate or loop B, which I term the "slidable" portion of my fastener. The lugs *a* are adapted to be bent inwardly at their upper ends over the top portions of the sides of the plate or loop B, and the lugs *b* are designed to be bent outwardly over said sides of the plate or loop B, whereby the lugs *a* and *b* partially or wholly encircle the upper sides of the plate or loop B to confine the latter to the plate or disk A and form a guide or keeper, within which the plate or loop B may freely slide, it being understood that the wear-plate, shield, or disk A is secured to the belt or band in the usual manner and that the end of the usual securing-strap is passed around and between the end bars *c* and *d* of the plates A and B, as shown, so that these end bars pinch or cramp the bight of the strap to form a secure and automatic lock in the manner similar to that shown, described, and claimed in my said former application. The lugs are preferably formed of malleable metal, and the slide B is placed in position and the lugs bent over its side bars to secure it, the securing-strap passing under the end bars *c*, and has its free end attached in any desired manner. The plate or shield A may be solid or of open-work and will be secured to the belt in any well-known and suitable manner.

When using my invention for belts for personal wear, I may adopt the form shown in Fig. 3, where the plate A² has the lugs *e'* projecting inwardly from the outside of the ends and outwardly from middle portion of said ends, these lugs being bent upwardly and over the contiguous bar of the slide to form the guide or keeper, whose construction and

operation is identical with those of the preceding forms.

In Fig. 3 I show a rectangular plate or shield A^4 , with lugs g projecting inwardly and outwardly from opposite sides, and in Fig. 4 I disclose a combined ring and rectangle A^5 , the rectangle being formed by the bars h , from whose opposite sides the lugs i project, the lugs in these last two instances being bent over to embrace the slide and form the keeper or guide therefor, as before explained. The form of device shown in Figs. 3 and 4 is well adapted for saddles and harness, girths, bands, and cinches.

In many instances I use my invention as a fastening for ropes, in mines, on shipboard, for fall and tackle, fire-escapes, tents, awnings, &c., and then prefer to employ the form of device shown in Fig. 5. In this case the plate or shield A^6 has the lugs l cast or formed with it and adapted to be bent over and embrace the slide B' , as before described; but said plate or shield A^6 and slide B' are formed with depressions, "noses," or offsets m , turned either upwardly or downwardly and adapted to receive the rope whose end is passed between the portions, whereby the latter cramps or pinches the bight of the rope, and thereby forms a secure guy-rope or other like securing devices.

Thus it will be seen that my invention is adapted for many useful purposes. It is sim-

ple in its construction and is cheaply made, and forms a secure self-locking device for the purpose named.

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

1. A fastening device consisting of a plate or shield having lugs on its outer opposite sides near the ends and other lugs on its inner sides at points between said outer lugs, and a second plate seated on the first-named plate or shield, said lugs being reversely bent over the superposed plate to embrace the same and form a keeper and guide therefor.

2. A fastening device consisting of two parts seated one on the other, one of said parts having its outer side portions near the ends provided with projecting inwardly-curved lugs and its inner side portion between said lugs having projecting outwardly-curved lugs, said inwardly and outwardly curved lugs embracing the superposed part to form a keeper and guide therefor, and a connection adapted to be passed between the end walls of said parts, so that it may be cramped or pinched between them, substantially as and for the purpose described.

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Witnesses:

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