

No. 637,286.

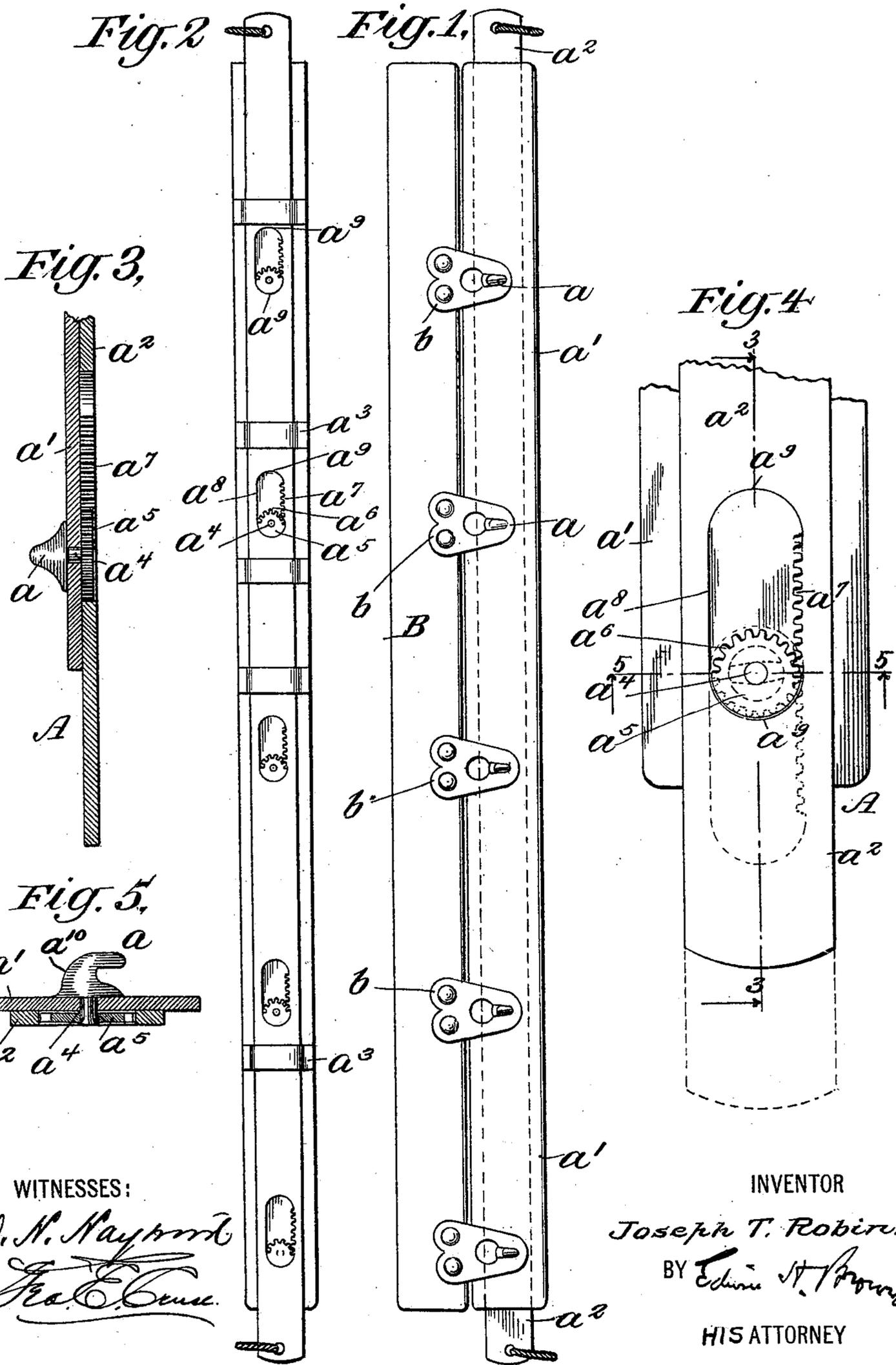
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J. T. ROBIN.

FASTENING DEVICE FOR WEARING APPAREL.

(Application filed Apr. 3, 1899.)

(No Model.)



WITNESSES:

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JOSEPH T. ROBIN, OF NEW YORK, N. Y.

FASTENING DEVICE FOR WEARING-APPAREL.

SPECIFICATION forming part of Letters Patent No. 637,286, dated November 21, 1899.

Application filed April 3, 1899. Serial No. 711,524. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH T. ROBIN, a citizen of the United States, residing in the borough of Manhattan, city and State of New York, have invented certain new and useful Improvements in Fastening Devices for Wearing-Apparel, of which the following is a specification.

My invention relates to a device for securing together opposite portions of an article of wearing-apparel—as, for example, the opposite portions of a corset.

I will describe a fastening device embodying my invention and then point out the novel features thereof in claims.

In the drawings, Figure 1 is a view in elevation of a fastening device embodying my invention. Fig. 2 is a view in elevation showing the rear of that part of the fastening device which carries the hooks. Fig. 3 is a sectional view taken in the line 3 3 of Fig. 4. Fig. 4 is a detail view. Fig. 5 is a sectional view taken on the line 5 5 of Fig. 4. Figs. 3, 4, and 5 are drawn to a larger scale than Figs. 1 and 2.

Similar letters of reference designate corresponding parts in all the views.

A and B represent the two parts of the fastening, which are secured to the opposite portions of an article of wearing-apparel in any manner that may be found convenient. The part A is provided with hooks a , which engage with eyes b , carried by the part B. The eyes b are the same as used in the ordinary corset-fastening.

The part A of the device comprises the superimposed strips a' a^2 , which are held from relative transverse movement by means of cross-pieces a^3 . The strip a' carries the hooks a , and the strip a^2 is adapted to be moved longitudinally of the strip a' and at the same time rotate the hooks. Each hook a has a shank or projection a^4 , which extends through an opening in the strip a' . A disk a^5 is fixed on the shank or projection of each hook. Each disk is provided with teeth a^6 on one half of its periphery, which are in engagement in a rack a^7 , carried by the strip a^2 , while the other half of the periphery is plain and has a bearing while being rotated against a face a^8 , also carried by the strip a^2 . A purpose of having teeth on only one half of the pe-

riphery of each disk is that the hook will only be given a half-turn. The hook is so arranged that at one limit of the rotary movement of its disk it will be in such a position that its eye may be engaged with it and at the other limit of the rotary movement of its disk it will be in such a position that its eye will be easily disengaged therefrom.

The strip a^2 is provided with a number of elongated openings, into which the disks of the hooks project. The racks a^7 may be integral with the edges of one side of the openings, and the edges of the other sides of the openings may serve as the bearings a^8 . These openings are of such a width as to have at all times the plain portions of the disks bear against the edges a^8 . With this arrangement of the disks and racks there will be sufficient friction between the parts to hold the disks, and therefore the hooks, in any position that they may be moved to. The openings are of such a length that the ends of the openings limit the rotary movement of the disks. This may be accomplished by having the ends a^9 of the openings rounded to conform to the plain half of the periphery of the disks a^5 . The disks are adapted to fit in the rounded ends of the openings at the limits of their rotary movement.

In the use of the fastening device the part B is fastened to one of the opposite portions of the device and the part A secured to the other opposite portion in such manner that the strip a^2 may have a movement longitudinally of the strip a' . The operation of the device is as follows: When it is desired to fasten the opposite portions of the garment, the hooks are turned to have the position shown in full lines, Fig. 1, and in dotted lines, Fig. 4, and in that position they are brought into engagement with the eyes in the usual manner. When it is desired to unfasten the opposite portions, the strip a^2 is moved longitudinally, as indicated by dotted lines in Fig. 4, which movement causes the racks to rotate the disks half a revolution, thus bringing the disks into a position which is shown in dotted lines, Fig. 4. With the disks in this position the position of the hooks will be reversed and the curved part a^{10} of each hook will be presented to its eye, thus enabling the parts A and B to be easily disengaged.

What I claim as my invention is—

1. In a fastening device, the combination of the parts A and B, said part B being provided with eyes *b*, and said part A comprising the superimposed strips *a'*, *a*², one of which is adapted to have movement longitudinally of the other; said strip *a'* carrying hooks, each of which is provided with a disk, one half of whose periphery is provided with teeth, while the other half is plain, and said strip *a*² being provided with openings to receive said disks, one edge of one side of each opening being provided with a rack which is in engagement with the teeth on its disk, while the edge of the other side of the opening serves as a bearing for the plain portion of its disk, during its rotary movement.

2. In a fastening device, the combination of the parts A and B, said part B being provided with eyes *b*, and said part A comprising the superimposed strips *a'*, *a*², one of which is adapted to have movement longitudinally of the other; said strip *a'* carrying hooks, each of which is provided with a disk, whose periphery is provided with teeth, and said strip *a*² being provided with elongated openings to receive said disks, and being of such a length

as to have their ends limit the disk in its rotary movement, one edge of one side of each opening being provided with a rack which is in engagement with the teeth on its disk, while the edge of the other side of the opening serves as a bearing for the disk during its rotary movement.

3. In a fastening device, the combination of the parts A and B, said part B being provided with eyes *b*, and said part A comprising the superimposed strips *a'*, *a*², one of which is adapted to have movement longitudinally of the other; said strips *a'* carrying hooks each of which is provided with a disk having teeth on its periphery, and said strip *a*² being provided with racks which are in engagement with the teeth of the disks, whereby when the racks are moved, rotary movement will be given the hooks.

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

JOSEPH T. ROBIN.

Witnesses:

H. COUTANT,
GEO. E. CRUSE.