

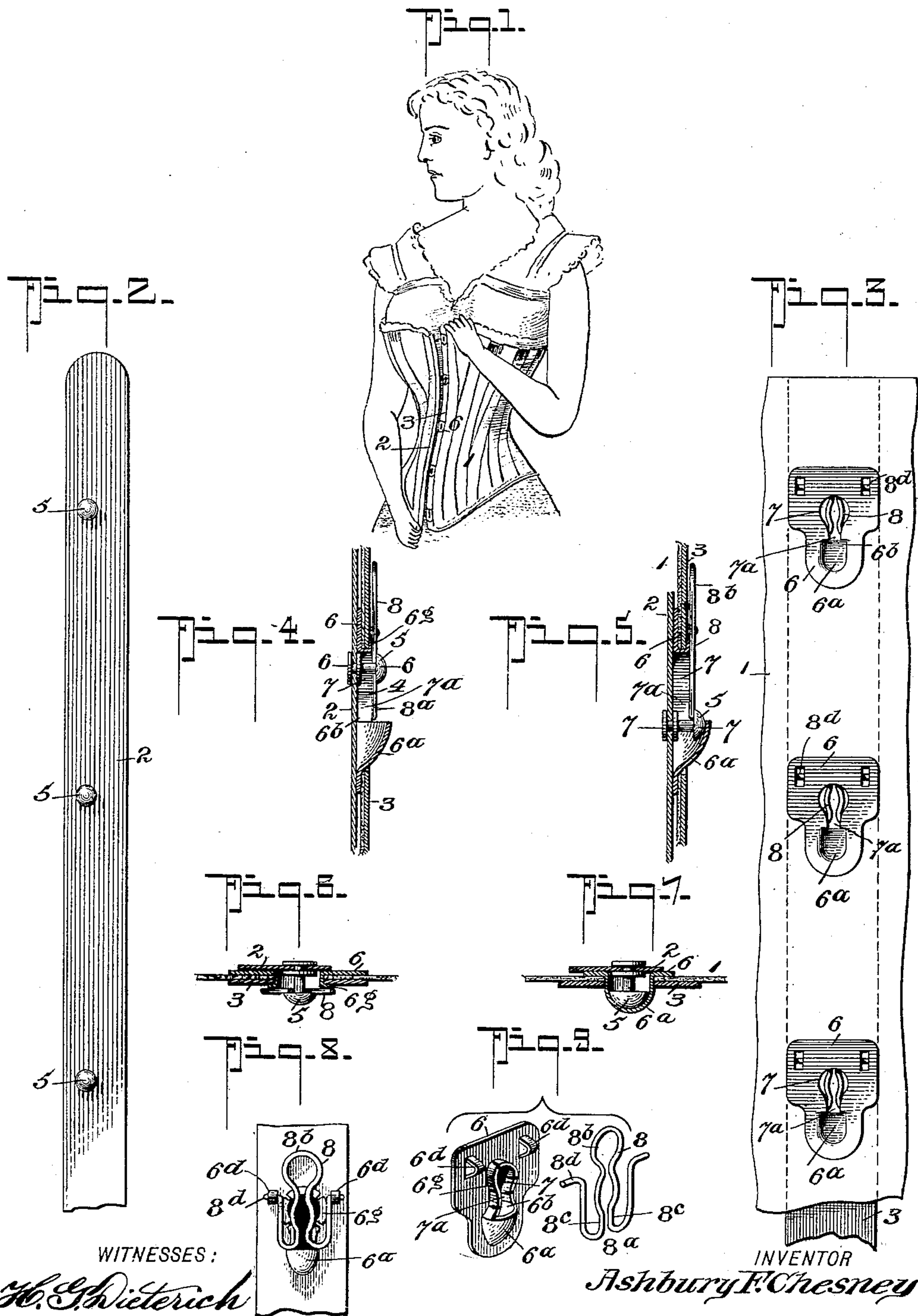
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Patented Sept. 12, 1899.

A. F. CHESNEY.  
CORSET BUSK FASTENER.

(Application filed Dec. 9, 1898.)

(No Model.)



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# UNITED STATES PATENT OFFICE.

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## CORSET-BUSK FASTENER.

SPECIFICATION forming part of Letters Patent No. 633,073, dated September 12, 1899.

Application filed December 9, 1898. Serial No. 698,767. (No model.)

*To all whom it may concern:*

Be it known that I, ASBURY F. CHESNEY, residing at Topeka, in the county of Shawnee and State of Kansas, have invented a new and  
5 Improved Corset-Busk Fastener, of which the following is a specification.

This invention relates to improvements in corset-busk fastener devices of that kind in which the busks are connected by snapping  
10 the locking-heads of one busk member into spring lock means on the other busk and which are capable of being singly connected or all of the interlocking members simultaneously released. Fastener devices of this character  
15 have heretofore been provided, some of which include rotatable locking - studs normally spring-held to their locking position, others having a shifting member for setting the fasteners operated by cord or other suitable  
20 means adapted to be pulled upon by the user. In the form of busk-fasteners referred to, particularly those having in conjunction with the two busk members a supplemental member slidable on one of the busks and serving as a  
25 releasing means, in the practical application it has been found that they do not effect all of the desired results for the following reasons: First, the cost of manufacture is excessive; second, in case of breaking of the slide-  
30 bar the entire fastener devices of the busks are rendered inoperative, and, third, owing to the curvature of the busks and the tight lacing of the corset the lateral strain on the said busks is such as to make an easy operation of  
35 pulling the releasing-slide to its unlocking position difficult.

My invention primarily seeks to provide corset-busk fasteners of the character stated of a very simple nature capable of manufac-  
40 ture at a cost much less than that incident in the manufacture of the form of fastener above referred to and in which the fasteners can be simultaneously released by simply pulling on the two busks in opposite directions and the  
45 closing or snapping of the fasteners rendered the more convenient.

This invention in its general nature comprehends a novel form of fastener means in which the use of supplemental busk or slide  
50 members is entirely dispensed with and only two busk members employed which are held to lap, and by slightly sliding the same upon

each other the two members can be quickly snapped into or out of their interlocking en-  
55 gagement.

Another purpose of this invention is to provide busk-fastener devices capable of operation in series and also operative independently of each other, whereby the breaking of one fastener will in no way affect the opera-  
60 tiveness of the others.

In its subordinate features this invention consists in certain details of construction and peculiar combination of parts, such as will be first described in detail and then pointed out  
65 in the appended claims, reference being had to the accompanying drawings, in which—

Figure 1 illustrates my invention as in use. Fig. 2 is a face view of a portion of the busk carrying the lock-studs. Fig. 3 is a similar  
70 view of a portion of the busk carrying the stud-engaging spring lock and guide members. Fig. 4 is a detail longitudinal section showing a portion of the two busks held locked, and Fig. 5 is a similar view illustrating the posi-  
75 tion of the studs as they move into or out of a locked engagement with the spring-snaps. Figs. 6 and 7 are cross-sections on the line 6 6 and 7 7 of Figs. 4 and 5, respectively. Fig. 8 is a rear view of one of the combined lock  
80 and guide devices, and Fig. 9 is a detail view of the same.

In the drawings, 1 indicates the sections of the corset-body, which may be of any ap-  
85 proved or desired shape.

2 designates the stud-holding busk, and 3 the busk having the slots or lock-holding devices. These busks or steels 2 and 3 are se-  
90 cured to the front edges of the corset-body and have a fixed connection therewith, they being relatively so held as to lap each other, and said busks in their length are of the ordinary shape, except they have no lateral projections or fastening means. The front  
95 or outer busk 2 has a series of headed studs on its inner face while the under or left busk has a series of slots coincident to the headed studs of the opposing busk in connection with which is held a series of fastening devices, the construction of which forms the essential  
100 feature of this invention. The slots 4 are each of some length to provide for a free longitudinal play therein of the studs 5, the reason of which will presently appear. Over



the front of each slot 4 is fitted a face-plate 6, which has a triple function. It serves as a guide for deflecting the studs 5 in a proper position to engage the spring-locks, presently referred to; second, it serves as a means for deflecting the studs to a proper simultaneous disengagement when it is desired to open the corset, and, third, it serves as a means for securing the cloth on the busk 3. This plate 6 has its lower end punched to form a rearwardly-extended or outwardly-flaring cup-shaped guide 6<sup>a</sup>, the mouth 6<sup>b</sup> of which communicates with the throat 7<sup>a</sup> of the stud-receiving slot 7, which slides over the snap portion 8<sup>a</sup> of the spring-lock 8.

The lock 8 consists of a single piece of stout spring-wire bent upon itself to form a spring-eye 8<sup>b</sup>, constructed to form a spring-snap 8<sup>a</sup>, the neck of which is made by the parallel portions 8<sup>c</sup> of the wire sections, which portions separate are bent automatically in the plane of the body of the spring-snap and have their ends terminating in lateral projecting pintles 8<sup>d</sup>, which are constructed to fit in ears 6<sup>d</sup>, stamped out of the face-plate and passed back through slots in the busk-piece 3, such ears also serving as a means for securing the cloth to the busk, which is also held fast thereon by the body of the face-plate, it being made secure to the busk-piece by the flanges 6<sup>e</sup>, bent inward over the slot-walls, as clearly shown in Fig. 6. It will be noticed by reference to Fig. 6 that the spring-snap lies flat against the rear face of the busk-piece 3, with its exit end in line with the guide 6<sup>b</sup>, which guide, as is best shown in Fig. 4, projects sufficiently to the rear of the plane of the snap 8 to properly guide the neck of the stud to engage the said exit end of the snap with its head to the rear thereof.

From the foregoing, taken in connection with the drawings, it is thought the advantages and operation of my invention will be clearly understood.

In use the locking of the two busks is effected by snapping the studs 5 through the openings 7 into the catches 8. To release the busks, the user need only pull down on the stud-busk and upward on the other busk to cause the separation, as the heads of the studs as they pass out of the exit end of the

snap will engage the cup-socket 6<sup>a</sup> and be deflected outwardly and in consequence become disengaged, such construction, as is manifest, rendering the operation of locking and unlocking the corset-busk expeditious and convenient.

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

1. In a corset; the combination with the stud-busk, of a slotted busk having a series of elongated slots corresponding to the number of lock-studs; a face-plate for each slot, said plate having ear portions extending rearwardly through the slot-busk and having a slot portion terminating in a throat, said plate also having an integral rearwardly-extending outwardly-inclined cup-shaped guide at a point below the throat of its slot and a spring-catch held on the back of the slot-busk and secured thereon by the aforesaid ears of the face-plate, said catch having its exit end registering with the throat of the face-plate slot.

2. The combination with the studded busk and the slotted busk, of face-plates; each of said face plates and catches comprising a plate having a slot terminating in a throat; a rearwardly - pressed cup - shaped guide adapted to extend through and to the rear of the busk-slot, said plate having ears projected through the busk-plate, and a catch formed of a single piece of spring-wire bent in a loop and formed with a snap portion projected over the slot in the face-plate, the entrant end of the snap being in a plane in line with the guide member of the face-plate, the ends of said spring being bent rearwardly in a plane with the body, whereby said body is adapted to lie flat on the top of the slotted busk-plate, the extremities of such catch member being bent rearwardly to form pintles, said pintles being adapted to engage with the ears of the face-plate, all being arranged substantially as shown and for the purposes described.

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Witnesses:

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