

A. O. BOYLAND.
CLASP.
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948,917.

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Fig. 1.

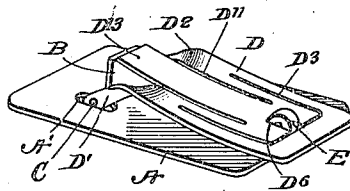


Fig. 2.

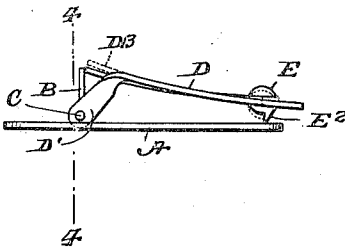


Fig. 3.

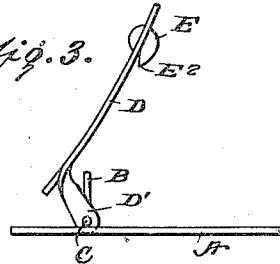


Fig. 4.

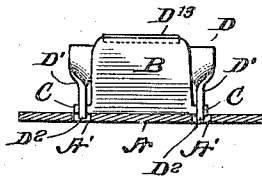


Fig. 5.

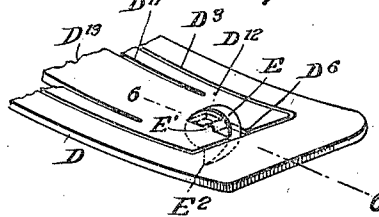
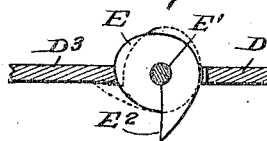


Fig. 6.



WITNESSES

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CLASP.

948,917.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ALVAH O. BOYLAND, a citizen of the United States, and a resident of Aurora, in the county of Hamilton and State of Nebraska, have invented certain new and useful Improvements in Clasps, of which the following is a specification.

This invention is an improvement in clasps for clasp ing fabrics and the like; and the invention consists in certain novel constructions and combinations of parts as will be hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of a clasp embodying my invention with the pivoted jaw closed. Fig. 2 is a side view of a clasp with the pivoted jaw closed in full lines, and the spring tongue of said jaw in dotted lines in position to release the jaw, so the latter may be raised. Fig. 3 is a side view of a clasp showing the pivoted jaw raised. Fig. 4 is a cross sectional view through the pivoted arms of the jaw, and showing such arms projecting below the upper face of the base plate, and Fig. 5 is a detail view illustrating the rocking spur, and Fig. 6 is a detail section on about line 6-6 of Fig. 5.

In carrying out my invention I provide a main or base plate A upon which is mounted a post B. At the ends of the said post, the base plate is provided with slots or recesses A' to receive the ends of the arms of the pivoted jaw. At the base of the post B I provide lateral studs C, to which are pivoted the arms D' of the jaw D, the said arms being deflected downwardly from the body of the jaw and provided with openings A'. The arms D' are extended at D² into the openings A' in the plate A, thus preventing the arms from being accidentally forced off the pivoted studs in the use of the invention. The body of the jaw D is in the form of a plate, and it is provided with a tongue D¹² extending longitudinally of the jaw and having its rear end D¹³ or end adjacent the pivot of the jaw, arranged when the jaw is closed to abut the front side of the post B, and so hold the jaw closed, and the front end of the tongue is arranged to be depressed to elevate its rear end clear of the post when it is desired to release the jaw. In carrying out this feature of my invention the tongue has a yield-

ing connection between its ends with the body of the jaw so it can be rocked pivotally to elevate its rear end or depress its front end, and in constructing the jaw I prefer to form the tongue by a front incision D⁸ which separates the front end of the tongue from the body of the plate and by rear incisions D¹¹ which separate the rear end of the tongue from the body of the jaw to permit the pivotal movement of the tongue as desired. This operation of the pivoted tongue for releasing its rear end from engagement with the post will be readily understood from dotted lines in Fig. 2 of the drawing, and when the jaw is in its open position and is moved to closed position the tongue will move at its rear edges automatically into engagement with the post when the jaw is adjusted to its closed position.

At its yielding end the jaw is provided with means for engagement with the fabric or other material to be held by the clasp. This is preferably a spur E, and I also prefer to support the said spur at the front end of the tongue D¹², and to pivot it as shown, so it may be rocked between its different positions. In carrying out this feature of my invention the front end of the tongue is notched at D⁹, and the spur is pivoted at E' within the said notch, and has a point or projection E² which may engage the fabric to hold the same when it is desired, and the spur may be rocked to release its point or projection from the fabric, and the front end of the tongue be then depressed to free its rear end from the post in order to open the jaw.

It will be noticed that the spring tongue of the jaw operates to lock the jaw in closed position, and also to give resiliency of the yielding action of the said jaw. At the same time when the jaw is open the spring tongue is entirely free and there is no spring action on the jaw especially when the jaw is in the full open position shown in Fig. 3.

It will be noticed that the pivot studs C are above the plane of the plate A, and that the arms D' of the jaw pivot on said studs and have extensions beyond the studs which project into the recesses A' in the main plate. It will be noticed that the pivot studs are approximately in line with the post B, so that the rear end of the spring tongue

may be moved across the upper end of the said post in adjusting the jaw to open or closed positions.

The rocking stud E, it will be noticed from Fig. 2, operates to lift the front end of the spring tongue and so adjust the rear end of said tongue downwardly to bear in front of the post B, the stud E operating in this way as a movable device at the front end of the tongue for elevating the said end and holding the rear end of the tongue in engagement with the post, the said movable device thus cooperating with the spring tongue and the post in the operation before described.

I claim—

1. A device substantially as described, comprising a main plate, having recesses and pivot studs adjacent to and above the recesses in the main plate, and a jaw having depending arms projecting at their extremities into the recesses of the main plate, and provided with openings receiving the pivot studs.

2. A button or clasp having a main plate, a post thereon, and a jaw pivoted below the upper end of said post and having a tongue engaging in front of said post for securing the jaw in closed position and movable longitudinally across the end of the post in opening and closing the jaw.

3. The combination of a main plate, a post thereon, a jaw pivoted at its rear end adjacent to the post, and a tongue extending longitudinally of the jaw and arranged at its rear end to engage with the post for securing the jaw in closed position, the said tongue being movable across the end of the post in opening and closing the jaw.

4. A clasp comprising a main plate, a post thereon, and a pivoted jaw having a longitudinally extending tongue yieldingly connected between its end with the jaw and springing at its rear end into engagement with the post when the jaw is closed, substantially as set forth.

5. A clasp comprising a main plate, a post thereon, and a pivoted jaw whose body portion is provided with front and rear slits partially separating therefrom a longitudinally extending tongue yieldingly connected between its ends with the body of the jaw, substantially as set forth.

6. The combination in a clasp of a base plate, and a pivoted jaw having at its rear end a tongue for securing the jaw in closed position, means on the main plate cooperating with said tongue for holding the jaw in closed position, and movable device at the front end of the tongue for adjusting the rear end of the tongue into cooperative relation with the means on the main plate, substantially as set forth.

7. A clasp comprising a main plate, a post thereon and a pivoted jaw, slitted longitudi-

nally forming a spring tongue for securing the jaw in closed position and engaging in such position in advance of the post.

8. The combination with a main plate, of a pivoted jaw having a longitudinally extended tongue yieldingly connected between its ends with the body of the jaw, and means on the main plate cooperating with the rear end of the tongue, in securing the jaw in closed position.

9. The combination of a base plate having a post, a jaw having a tongue engaging at its rear end with a post for securing the jaw in closed position, and a movable device at the front end of the tongue to elevate said end and hold the rear end in engagement with the post, substantially as set forth.

10. In a clasp, the combination with a base plate, of a jaw having arms pivoted to the main plate and held by the main plate in its pivotal relation.

11. A clasp comprising a main plate, a pivoted jaw, and a spring tongue operating to lock the jaw in closed position and to give resiliency thereto when in said position and means cooperating with the said tongue in securing the jaw in closed position, substantially as set forth.

12. A clasp substantially as described comprising a pivoted jaw having a body portion, and front and rear slits partially separating the tongue and affording a yielding connection between the said tongue, midway its ends, and the body of the jaw.

13. In a clasp substantially as described, the combination of a main plate, a post thereon, a jaw pivotally connected with the main plate and having a body portion, and front and rear slits partially separating the tongue and affording a yielding connection between said tongue midway between its ends and the body of the jaw, the rear end of said tongue being arranged to engage with the post, to hold the jaw in closed position.

14. In a clasp, substantially as described, the combination of a main plate, and a post thereon, a pivoted jaw having a body portion, and a spring tongue separated at its front and rear ends from the body of the jaw, and having its rear end arranged to engage with the post to hold the jaw in closed position, and a movable device connected with the front end of the tongue whereby said end of the tongue may be elevated to depress its rear end into position to engage with the post, substantially as set forth.

15. A clasp substantially as described comprising a main plate, a post thereon, a jaw having arms pivoted approximately in line with the post, and the said jaw being also provided with a spring tongue free at its rear end and movable at said end across the end of the post in opening and closing the

jaw, and engaging with the front of the said post in the closed position of the jaw for locking the same in said position, substantially as set forth.

movable when the jaw is opened to a position in rear of the post, substantially as set forth. 10

5 16. A clasp comprising a main plate, a post thereon, and a pivoted jaw having a spring tongue engaging in the closed position of the jaw in front of the post, and

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Witnesses:

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