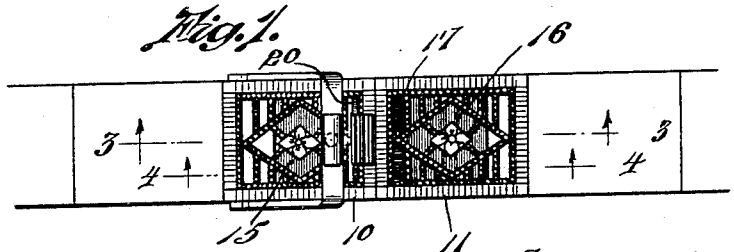
May 19, 1931. W. J. ROY 1,806,265

BRACELET CLASP

Filed April 30, 1930

Fig. 1.



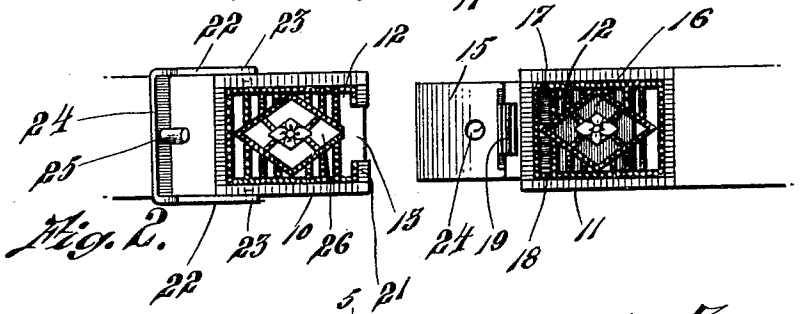


Fig. 2.

Fig. 3.

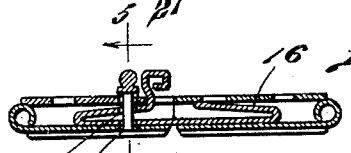
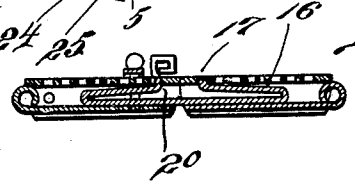


Fig. 4.



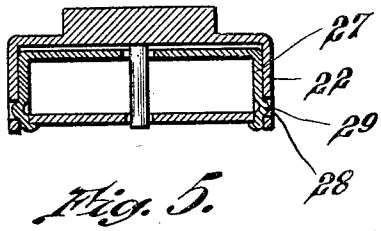


Fig. 5.

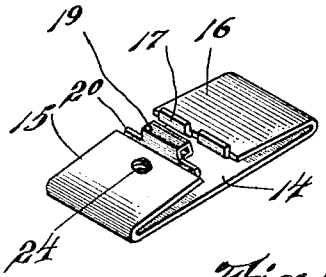


Fig. 6.

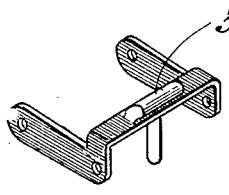


Fig. 7.

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UNITED STATES PATENT OFFICE

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BRACELET CLASP

Application filed April 30, 1930. Serial No. 448,562.

This invention relates to a bracelet clasp, and has for its object to provide a construction which will positively and yet releasably secure the ends of a bracelet together.

A further object of this invention is to provide a construction which may be assembled in the bracelet without the use of solder and yet will releasably clasp the bracelet ends together.

A still further object of this invention is to provide a connecting member having resilient parts which may be secured in position in the ends of the bracelet by insertion of the member into the ends of the bracelet and its resilient parts snapping into engagement with the bracelet.

A still further object of this invention is to provide a structure for securing the ends of the bracelet together which will cooperate with ornamental openings formed in the top wall of the bracelet and utilize these openings for securing the parts in assembled relation.

With these and other objects and advantageous features in view, the invention consists of a novel arrangement of parts more fully disclosed in the detailed description following, in conjunction with the accompanying drawings and more particularly set forth in the appended claims.

In the drawings:

Fig. 1 is a top plan view of the bracelet with its ends connected together and showing the pierced ornamentation provided on the top wall of the two end links;

Fig. 2 is a view similar to Figure 1 with the ends separated;

Fig. 3 is a section on line 3—3 of Figure 1;

Fig. 4 is a section on line 4—4 of Figure 1;

Fig. 5 is a section on line 5—5 of Figure 3;

Fig. 6 is a perspective view of the connecting member and latch; and

Fig. 7 is a perspective view of the locking member.

In connecting the abutting ends of bracelets together, particularly those of link form, it is found of advantage to provide a resilient or latch part which has suitable formations thereon for engaging abutments or catches in the opposite end link of the bracelet and which may be detached by manual pressure upon a finger piece and also to secure such clapsed ends in locked relation by means of some so-called safety member to provide additional auxiliary engagement to accomplish this purpose, it being usual that the auxiliary member requires a movement in a different direction from the release movement of the finger piece in order that the parts may be more securely held in position, and in order to simplify a construction accomplishing these results and utilize the ornamental piercings in the top wall of a bracelet, I have provided a connecting member of resilient sheet stock having its end portions doubled back upon itself forming compressible parts which are used for securing each of the ends of the connecting member in the ends of the bracelet to attach the same thereto, and upon one of these resilient parts, I have provided a finger piece for release, and I have also formed a swinging locking member which will extend through one of the ornamental openings in the top wall and enter an opening in the resilient latch part for additionally locking the latch in the end of the bracelet into which it is inserted against accidental removal by pressure on the finger piece; and the following is a detailed description of the present embodiment of this invention illustrating the preferred means by which these advantageous results may be accomplished.

With reference to the drawings, 10 designates a terminal shell or link at one end of the bracelet and 11 the terminal shell or link at the opposite end of the bracelet, each of which is provided with a top wall having an ornamental surface formed by piercings or openings 12 formed therein in suitable position to form a design upon the top wall. The end link 10 of the bracelet shown is also suitably notched as at 13 to receive the finger piece of the latch, which will be presently described.

A connecting member 14 has parts 15 and

16 folded back upon itself to form resilient portions which may be inserted into the ends of the bracelet, the stock of this connecting member having an inherent resiliency sufficient to provide the necessary resiliency in the folded back parts of the connecting member. In order to assemble the connecting member with the bracelet, I merely insert the part 16 into the end of the bracelet and the flange or portions 17 will snap into the opening 18 of the link 11, which opening is one of the pierced openings to form the ornamentation on the top wall thereof. The folded portion 15 is provided with a finger piece 19 and upwardly extending flanges 20, and upon insertion of this portion 15, into the end of the bracelet, the flanges 20 engage with the catches or abutments 21 of the link 10 at either side of the notch 13 thereof to secure the same in position, it being understood that as these parts are forced into the ends of the bracelet they will compress until opposite the opening provided to receive them into which they will then be snapped, by their inherent tension or resiliency.

In order to detach the ends of the bracelet, it is necessary to force inwardly or compress the part 15 by means of the finger piece 19, thus permitting the link 10 to be withdrawn from the latch 15 which is permanently secured as above described at the opposite end of the bracelet.

In order to further assist in securing the ends of the bracelet together, I have provided a locking member having arms 22 pivoted by inwardly extending pins 23 to the side walls of the end link 10 and joined at their opposite ends by a cross bar 24 carrying a finger 25 to extend through the opening 26 pierced for the purpose of ornamenting the bracelet, and into the openings 24 and 25 in the latch part 15 to securely lock the same against removal by accidental pressure upon the finger piece 19.

The locking member is secured in closed or locked position by detent and recess means between the side wall 27 and its arms 22 consisting of projections 28 upon one and recesses 29 in the other to receive the projection. The locking member is also provided with a finger piece 30 in order that the finger nail may engage the same for lifting and swinging the locking member about its pivot 23 to released position.

It is thus seen that although I have provided a locking member which has a finger extending through the top wall of the bracelet, the finger extends through an opening which is formed in the bracklet for ornamenting purposes and thus not only requires no particular operation to provide such a structure, but will also not detract from the ornamental appearance by unsightly openings or the like, even when the locking member is swung to released position.

While I have described certain construction forms which embody the principles of my invention, it is obvious that other desired changes in arrangement may be made within the spirit and the scope of the invention as defined in the appended claims.

I claim:

1. In an ornamental chain including terminal shells, each having a top wall ornamented by pierced openings therein, a connecting member having a resilient part located in one of said shells with a portion extending into one of said openings to retain it in position, and cooperating resilient means between the member and other terminal shell for detachable connection therewith.

2. In an ornamental chain including terminal shells, each having a top wall ornamented by pierced openings therein, a connecting member folded to provide a resilient part located in one of said shells with a portion extending into one of said openings to retain it in position, and cooperating resilient means between the member and other terminal shell for detachable connection therewith.

3. In an ornamental chain including terminal shells, each having a top wall ornamented by pierced openings therein, a connecting member folded to provide a resilient part located in one of said shells with a portion extending into one of said openings to retain it in position, cooperating means between the member and other terminal shell for detachable connection therewith comprising a resilient part having a finger piece for compressing the same, and a catch part on the bracelet to engage therewith.

4. In an ornamental chain including terminal shells, each having a top wall ornamented by pierced openings therein, a connecting member folded to provide a resilient part located in one of said shells with a flange extending into one of said openings to retain it in position, and cooperating resilient means between the member and other terminal shell for detachable connection therewith.

5. In an ornamental chain, including terminal shells each having a top wall ornamented by pierced openings therein, a connecting member folded to provide a resilient part located in one of said shells with a flange extended into one of said ornamental openings to retain it in position, cooperating means between the member and other terminal shell for detachable connection therewith, comprising a resilient part extending into the shell and having a finger piece for compressing the same, and a catch part on the shell to engage therewith.

6. In an ornamental chain, including ter-

minal shells a member folded back upon itself at its end portions to provide resilient portions at each end, an abutment in each terminal shell to be engaged by one of said resilient portions and retain the same connected thereto, and a finger piece on one of said portions for compressing the same to permit detachment of the terminal shells.

7. In an ornamental chain, including terminal links each having a top wall, a latch part extending from one end terminal link including a resilient tongue with an opening therein, a catch part on the other terminal link to engage said latch part and hold the ends together, and a locking member swingably mounted on the other terminal link and provided with a finger to extend through the top wall carrying said catch part into said opening to hold the latch against detachment.

8. In a chain including terminal links, each having a top wall with an opening therein, a latch part extending from one terminal link including a resilient tongue with an opening therein, a catch part on the other terminal link having said opening to engage said latch part and hold the links together, and a locking member swingably mounted on one terminal link and provided with a finger to extend through the said opening in the top wall and into said opening in the latch to hold the latch against detachment.

9. In a chain including terminal links, each having a top wall, a latch part extending from one terminal link including a resilient tongue with an opening therein, a catch part on the other terminal link to engage said latch part and hold the links together, and a locking member swingably mounted on the terminal link carrying said catch part, and provided with a finger to extend through the top wall and into said opening to hold the latch against detachment.

10. In a chain, including terminal links, each having a top wall, a compressible latch part extending from one terminal link including a resilient tongue with an opening therein, a catch part on the other end to engage said latch part and hold the links together, a finger piece for compressing said latch part, and a locking member swingably mounted on one terminal link and provided with a finger to extend through the top wall and into said opening to hold the latch against detachment.

11. In a chain, including terminal links, each having a top wall, a latch part extending from one terminal link including a resilient tongue with an opening therein, a catch part on the other terminal link to engage said latch part and hold the links together, and a locking member having a pair of arms swingably mounted on one terminal link and connected by a cross bar provided with a finger to extend through the top wall and into said opening to hold the latch against detachment.

12. In a chain, including terminal links, each having a top wall ornamented by pierced openings therein, a catch part on one terminal link, a latch part extending from the other terminal link with an opening therein to register with one of said ornamental openings when engaged with the catch part to secure the links together, and a locking member swingably mounted on one terminal link provided with a finger to extend into said registered openings to hold the latch against detachment.

13. In a chain, including terminal links, each having a top wall ornamented by pierced openings therein, a catch part on one terminal link, a latch part extending from the other terminal link with an opening therein to register with one of said ornamental openings in the first mentioned link when engaged with the catch part to secure the links together, and a locking member having a pair of arms swingably mounted on one terminal link and connected by a cross bar provided with a finger to extend into said registered openings to hold the latch against detachment.

In testimony whereof I affix my signature.

WILFRID J. ROY.