

No. 824,276.

PATENTED JUNE 26, 1906.

C. A. BREWER.
BUCKLE.

APPLICATION FILED NOV. 24, 1905.

Fig. 1.

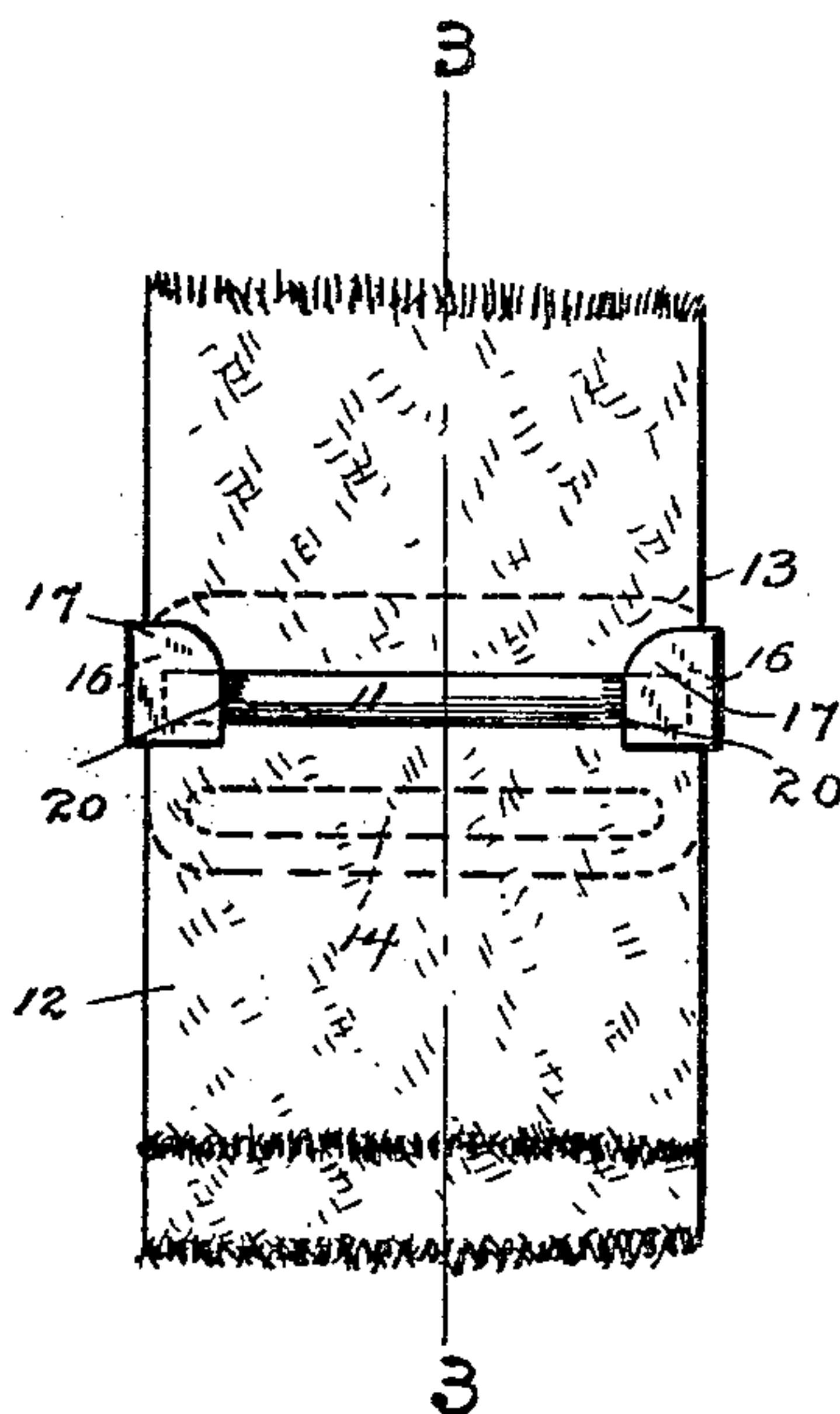


Fig. 2.

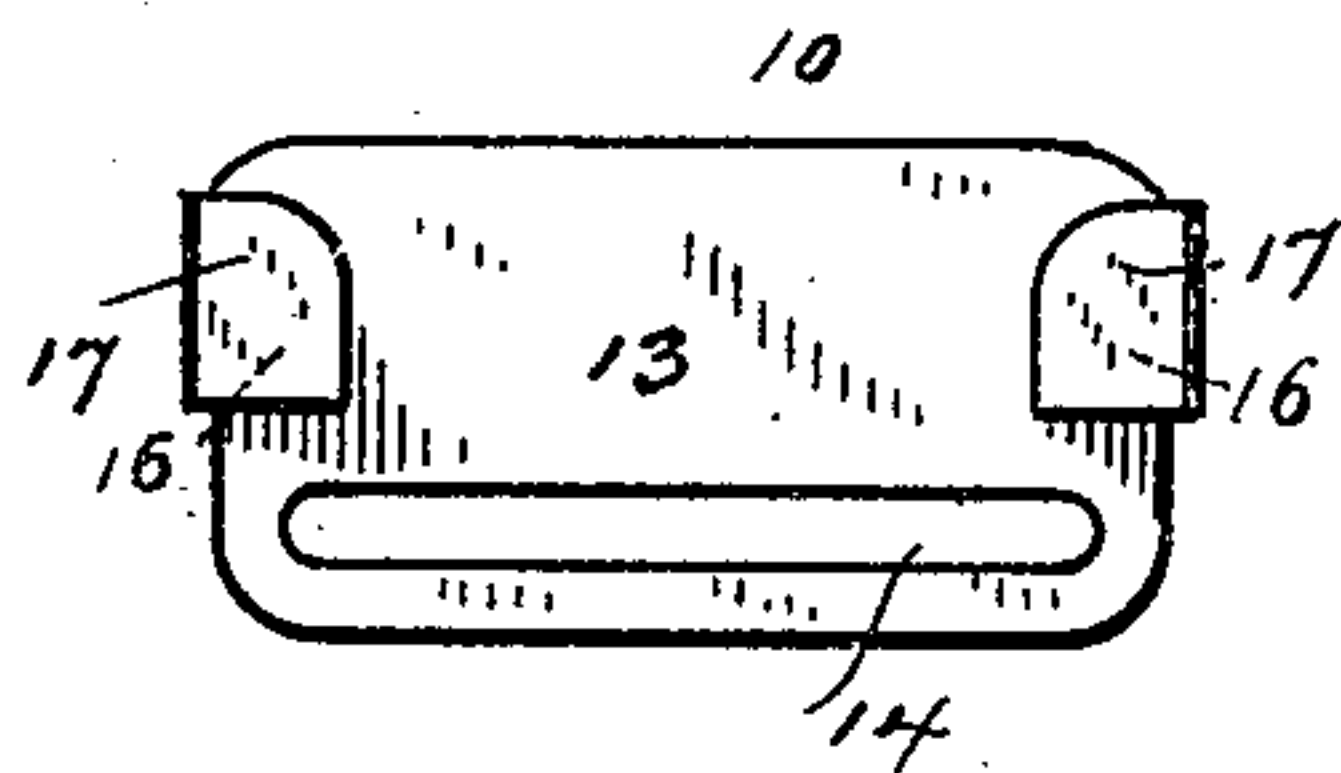


Fig. 3.

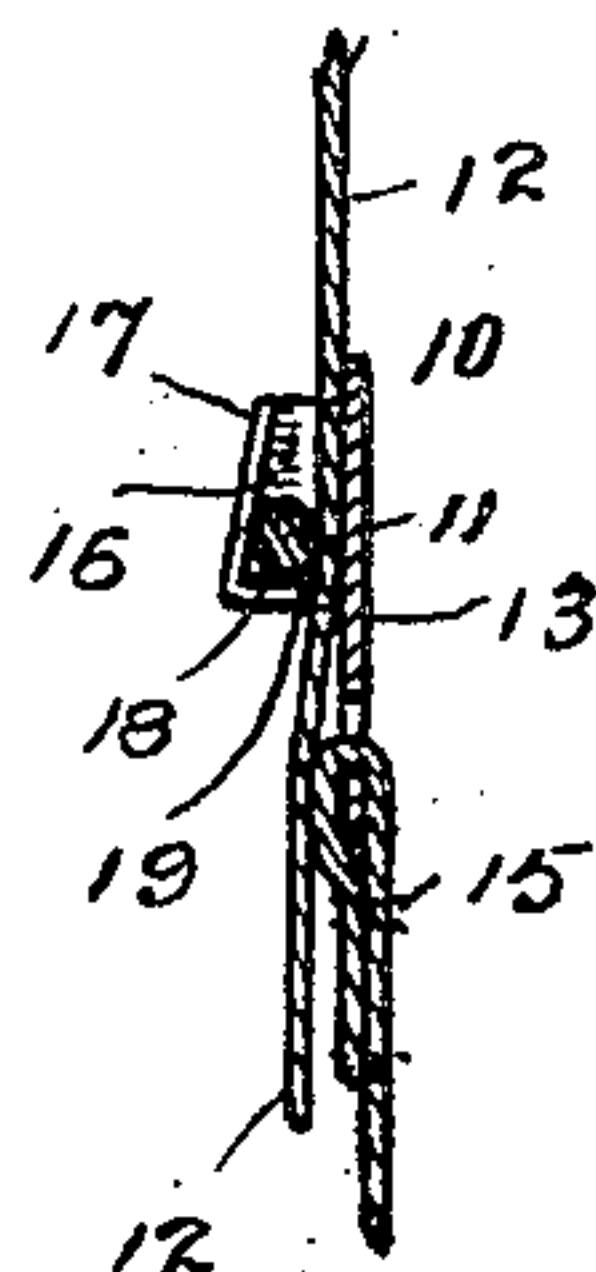


Fig. 4.

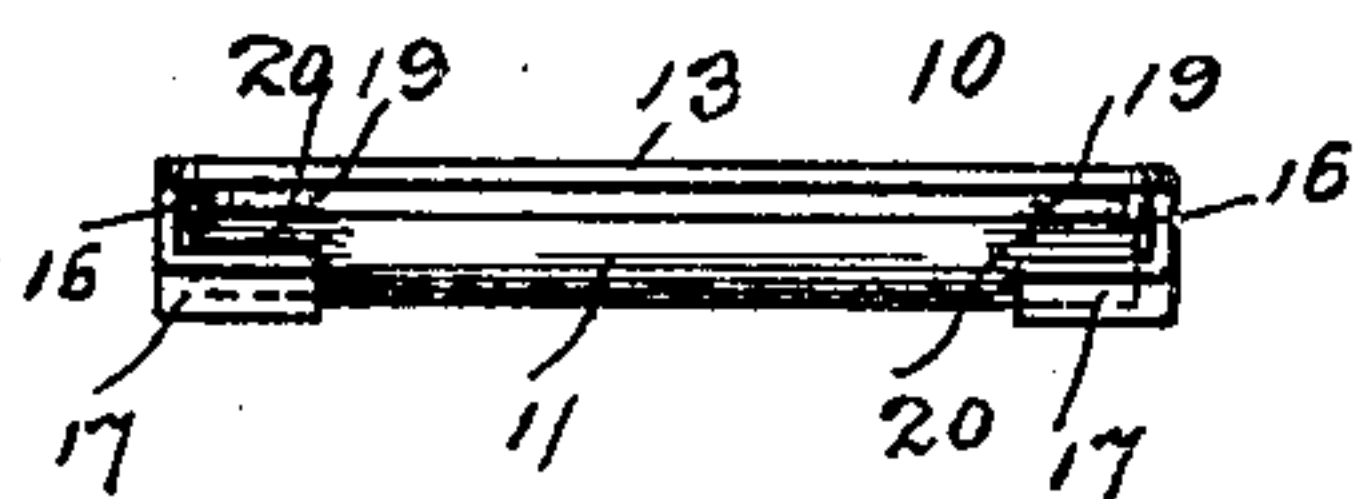
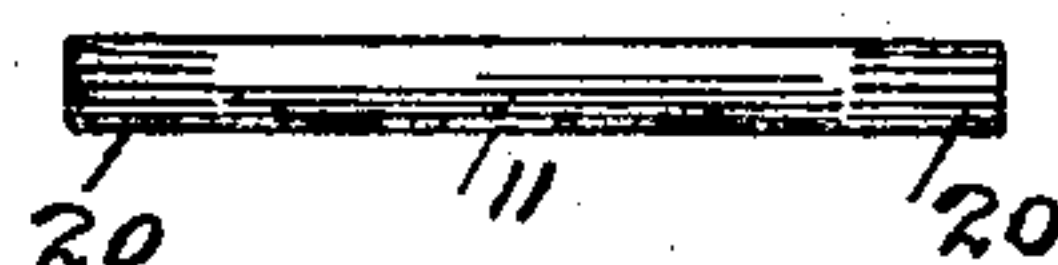


Fig. 5.



WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES A. BREWER, OF NOROTON HEIGHTS, CONNECTICUT.

BUCKLE.

No. 824,276.

Specification of Letters Patent.

Patented June 26, 1906.

Application filed November 24, 1905. Serial No. 288,926.

To all whom it may concern:

Be it known that I, CHARLES A. BREWER, a citizen of the United States, residing at Noroton Heights, county of Fairfield, State of Connecticut, have invented a new and useful Buckle, of which the following is a specification.

This invention has for its object to provide a simple and inexpensive buckle adapted for use upon garment-supporters generally, as upon suspenders and garters, which may be quickly and conveniently adjusted to lengthen or shorten the supporter and which shall consist of two parts only—to wit, a roller, which is a straight piece of wire, and a body, which may be blanked out and formed complete from sheet metal.

With these and other objects in view I have devised the simple and novel buckle, of which the following description, in connection with the accompanying drawings, is a specification, reference characters being used to indicate the several parts.

Figure 1 is a front view, on an enlarged scale, illustrating my novel buckle in use upon the web of a garment-supporter; Fig. 2, a front view of the body detached with the roller removed; Fig. 3, a section on the line 3 3 in Fig. 1; Fig. 4, an end view of the buckle detached with the roller in place, and Fig. 5 is a view of the roller detached.

10 denotes the body of my novel buckle, 11 the roller, and 12 the web of a garment-supporter. The body consists of a plate 13, having at its lower end a slot 14, through which the end of the web is passed from the front and then turned down and switched to place, as at 15. At the ends of the body are integral extensions which are shaped to form tapering sockets 16, which receive the ends of the roller loosely. The shape of these sockets, which are an important feature of the invention, will be readily understood from Figs. 3 and 4. The sockets are made wide enough at the bottom to receive the roller and the web loosely, the front walls tapering upward and inward, as at 17, so that when the web is in place a pull upon the web will draw the roller upward, and the inwardly-tapering front walls of the socket will cause the roller to clamp the web tightly between itself and the inner face of plate 13. The bottoms of the sockets (indicated by 18) do not extend

inward to the inner face of the plate, but leave a slot 19 between the inner ends of the bottoms of the sockets and the plate, through which the web passes freely. No attaching devices are shown, as the present invention resides in the buckle only. It is sufficient for the purposes of this specification to state that the web is passed downward through a loop or slot in the attaching device, as the front attaching devices of suspenders or of stocking-supporters, and then upward through slot 19 in the buckle, as clearly shown in Fig. 3. In order to make the roller grip the web more firmly when it is drawn upward against the tapering walls of the sockets, I preferably knurl or otherwise roughen the ends of the roller, as at 20. This insures a firm grip upon the edges of the web. I preferably leave the central portion of the roller smooth, as it is more pleasant when engaged by the thumb-nail or the finger-nail of the operator in adjusting the buckle in use.

The operation is as follows: To loosen the web, the operator engages the roller, pushes it downward, which disengages it from the tapering face of the socket, leaving the web free, and pulls upward on the web. To tighten the web, the operator disengages the roller as before and moves the buckle upward on the web. The instant the buckle is released and there is the slightest pull upon the web the roller will be drawn upward against the tapering walls of the sockets and will clamp the web tightly between itself and the inner face of the plate, so that it will be impossible under the ordinary conditions of use for the buckle to slip on the web.

Having thus described my invention, I claim—

1. A buckle comprising a body consisting of a plate having a slot for the attachment of a web and sockets at the ends of the plate formed from the metal thereof said sockets being widest at the bottom and tapering inward and upward and having bottoms and also having a slot between each bottom and the plate for the passage of the web, and a roller whose ends lie loosely in the sockets and which is adapted when drawn upward against the tapering walls of the sockets to clamp the web between itself and the inner face of the plate.

2. A buckle comprising a body consisting

of a plate and sockets at the ends of the plate
formed from the metal thereof, said sockets
being widest at the bottom and tapering in-
ward and upward and having bottoms and
5 also having a slot between each bottom and
the plate for the passage of the web, and a
roller whose ends are knurled and which lies
loosely in the sockets in which it is retained

by the bottoms, substantially as described, for
the purpose specified. 10

In testimony whereof I affix my signature
in presence of two witnesses.

CHARLES A. BREWER.

Witnesses:

C. S. PURDY,

C. W. BELL.