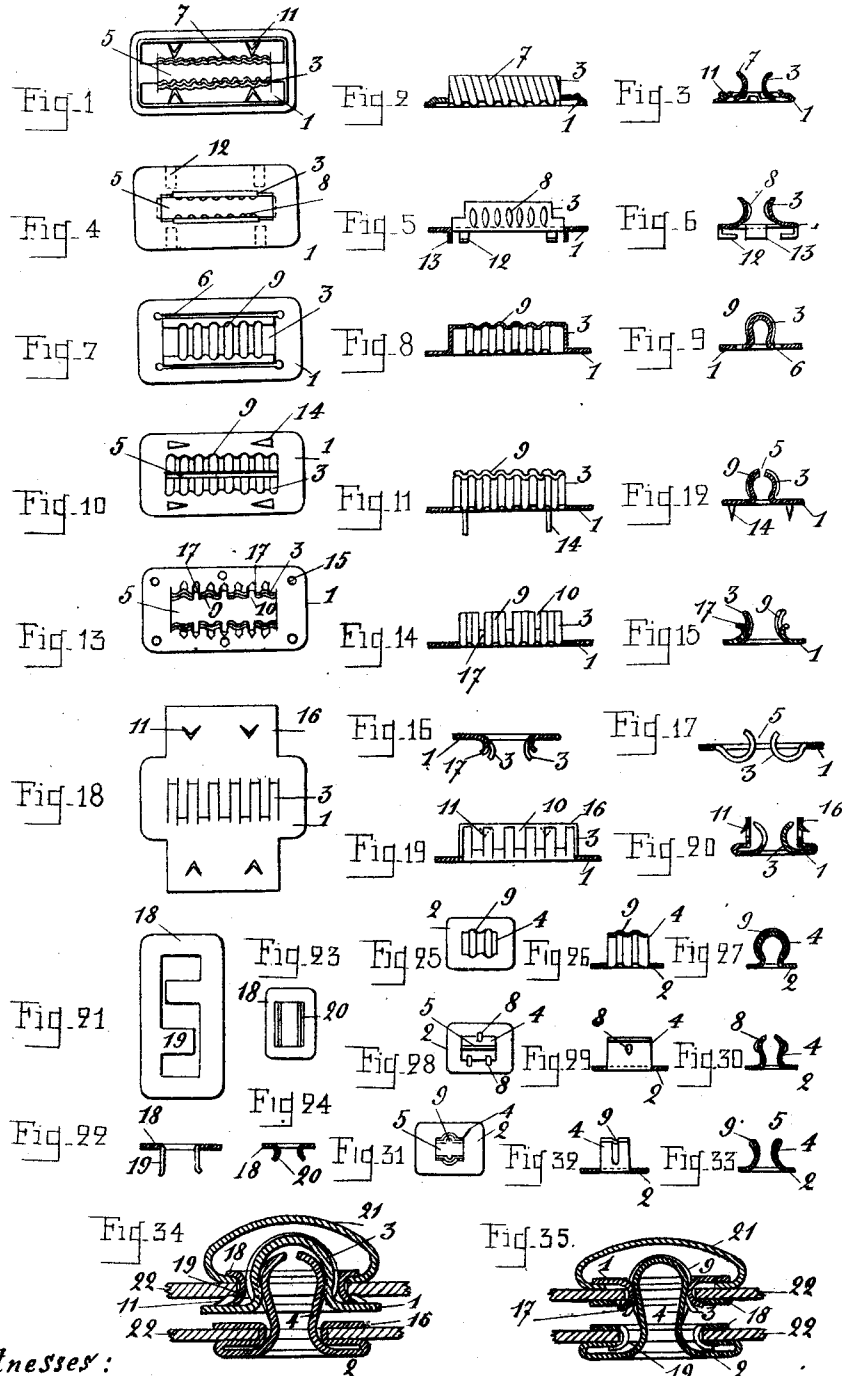


V. MARENDOWSKI.
 SPRING PRESSURE FASTENER OR BUTTON.
 APPLICATION FILED MAR. 16, 1910.

1,200,743.

Patented Oct. 10, 1916.



Witnesses:
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UNITED STATES PATENT OFFICE.

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SPRING-PRESSURE FASTENER OR BUTTON.

1,200,743.

Specification of Letters Patent.

Patented Oct. 10, 1916

Application filed March 16, 1910. Serial No. 549,800.

To all whom it may concern:

Be it known that I, VICTOR MARENDOWSKI, engineer, a Russian subject, residing at 125 Boulevard de Sébastopol, Paris, Department of the Seine, in France, have invented new and useful Improvements in Spring-Pressure Fasteners or Buttons, of which the following is a full, clear, and exact description.

This invention relates to pressure and displaced fasteners or buttons of the type already known which consist of bent plates formed to bring together the edges of the flanges and form the more or less long heads provided laterally with ridges and hollows. In these fasteners the parts are attached to the objects to be fastened generally with a free frame by means of tongues pressing down almost vertically by their ends and the stud or head of the bottom or male part can enter the hollow of the socket or top female part at any point to make a pressure fastener at different distances.

The object of the present invention is a pressure fastener having elongated heads based on the same principle of displacement, but in which fastener the parts instead of being bent, to bring together their long edges and attached at the two ends by tongues which press down almost vertically are simply embossed or stamped out in the middle and lengthwise to form heads and attached by exterior flanges or interior projections placed laterally and bent on the length of the plate or on the extensions of the frames or by any other known and convenient manner.

The invention will be fully described with reference to the accompanying drawing which shows as examples some forms of the invention and in which the same reference numbers refer throughout to the same parts.

Figures 1 to 20 are plans, longitudinal sections and transverse sections showing some examples of socket or hollow upper female parts. Figs. 21 to 24 are plans and transverse sections of the fixture frames. Figs. 25 to 33 are plans, longitudinal and transverse sections showing examples of stud or male part. Figs. 34 and 35 are transverse sections of the fastener in position.

Both the male and female parts and the fixture frames are made from a metallic plate which can be of any desired shape, round, oval, or the like, but the shape shown in the drawings is found to be preferable. The male and female parts only differ in

size, their construction is the same. The plates 1, 2 are embossed in the middle longitudinally and are preferably slit at 5 or 6 to make the heads 3, 4 act as a spring for the pressure fastener. The heads 3, 4 suitably slit can be widened at the top or lower down as in Figs. 3, 6, 9, 15, 16, 17, 20 and 33, or they can be convergent as in Figs. 12 and 30. The heads 3, of the longer female parts can also be arranged so as to receive the head of the male part indifferently from both sides as in Figs. 15, 16 and 17. The heads 3, 4 are provided with ridges and hollows 7, 9 with stop notches 8, or with grooves or gaps 10, so that the ridges and notches of the male parts can lodge between the hollows, the grooves or the gaps of the female parts, or vice versa, the ridges of the female parts can lodge between the hollows of the male parts. Thus the short male parts can enter by pressure any point of the longer female parts and cannot slide therein longitudinally and thus the fastening is assured. The heads of the female parts may have the ridges and hollows 7 made obliquely or curved or the head may be in the form of a comb with the gaps 10. Figs. 13 to 20, thus forming a firmer and more elastic fastening. The plates 1, 2 may be provided with exterior flanges 16 or interior extensions 17 for attaching merely by nipping when folded over the material to which the fastener is to be attached, or they may also be provided with notches 11, spikes 12, 13, 14, holes 15 or any other known mechanical means for attaching or by a thread or wire. The frame 18 of both the upper and lower parts may be provided with inward claws 19 or ribs 20 on the long edges of their underside to serve or help to attach the fasteners.

Figs. 34 and 35 are transverse sections showing examples of long fasteners attached onto the material 22 of leather, skin, or the like and 21 is the cap or cover which may be of any desired form.

What I claim as my invention is:

1. A pressure button of the adjustable type with elongated head provided with ridges, comprising fixing frames and male and female parts having means of fixation, said parts being embossed at the middle of the plates so as to form elongated heads elastic in longitudinal direction and said frames having on their long edges inwardly projecting claws to engage with the

means of fixation of the said parts, substantially as described and indicated.

2. A pressure button of the adjustable type with elongated heads provided with
5 ridges, comprising fixing frames and male and female parts having means of fixation, said parts being embossed at the middle of the plate so as to form elongated heads elastic in longitudinal direction, said heads hav-
10 ing oblique ridges to be wedged together for securing the fastening of the two parts, substantially as described and set forth.

3. A pressure button of the adjustable type with elongated heads provided with
15 ridges, comprising fixing frames and male and female parts having means of fixation, said parts being embossed at the middle of the plate so as to form elongated heads in combination with lateral gaps for making

the said heads more elastic in longitudinal 20 direction, substantially as described and set forth.

4. A pressure bottom of the adjustable type with elongated heads, provided with
ridges, comprising fixing frames and male 25 and female parts having means of fixation, said parts being embossed at the middle of the plate so as to form elongated heads and having longitudinal slots for making the heads elastic in the same direction, substan- 30 tially as described and set forth.

In testimony whereof I have hereunto set my hand this 8th day of March 1910.

VICTOR MARENDOWSKI.

In presence of—

JOSEPH BONNETON,

H. C. COXE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."