(No Model.)

E. PRINGLE.

SEPARABLE BUTTON.

No. 573,533. Patented Dec. 22, 1896.

Fig. 1.

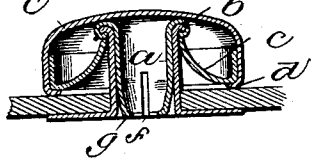
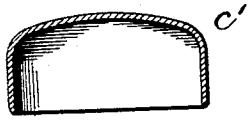


Fig. 2.



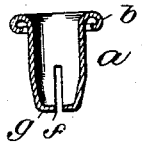
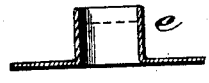


Fig. 3.

Fig. 4.



Witnesses
John Donnie
H. C. Stebbins.

Inventor
Eugene Pringle
by Bonney & Bonney
Attorneys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

EUGENE PRINGLE, OF GLOVERSVILLE, NEW YORK, ASSIGNOR TO MADISON D. SHIPMAN, CHARLES E. BRADT, AND SAMUEL E. BRADT, OF DE KALB, ILLINOIS.

SEPARABLE BUTTON.

SPECIFICATION forming part of Letters Patent No. 573,533, dated December 22, 1896.

Application filed April 22, 1896. Serial No. 588,586. (No model.)

To all whom it may concern:

Be it known that I, EUGENE PRINGLE, a citizen of the United States, and a resident of Gloversville, county of Fulton, State of New York, have invented certain new and useful Improvements in Separable Buttons, of which the following is a specification.

The objects of my invention are to produce a head or cap member of a separable button which shall be simple in construction, of comparatively few parts, easily attached to the material, and reliable in use. I attain these objects by means of the construction shown in the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a central vertical section through the button-head as it appears when secured to the material upon which it is to be used. Fig. 2 is a sectional view of the details or parts which make up the button-head, and showing the cap or shell which covers the head, the stud-catch which holds the stud or post, the closing-piece over which the fastening-eyelet is curled, and the fastening-eyelet for securing the parts in place. Fig. 3 is a sectional view of a similar button-head in which the closing-piece and cap are omitted and the turned-over rim of the stud-catch is extended to form a finish to the button. If a closed-top button is desired, a cap may be secured over the catch shown in this figure. Fig. 4 shows sectional views of the stud-catch and fastening-eyelet before they are secured to the material.

Like letters designate like parts wherever they occur in the drawings.

The principal feature of this invention is a stud-catch *a*, having a curled-over upper rim *b*, into which the terminal edge of the fastening-eyelet is upset or turned.

c is a "closing-piece," so called, which is held to the cap or shell *c'* by the inwardly-turned rim-flange *d*, and by its upper edge bearing against the curled portion of the stud-catch, as shown in Fig. 1, the stud-catch is secured in position. To secure these parts to the material, the fastening-eyelet *e* is passed through the opposite side of the material and the edge is curled or turned by striking against the inner walls of curled upper rim *b* of the stud-catch.

In Fig. 3 the stud-catch is shown as having the curled-over rim slightly extended to give symmetry to the button when the closing-piece and cap are omitted. However, the stud-catch, as shown in Fig. 1 and in detail in Fig. 2, could be used with a fastening-eyelet and serve the same purpose equally well, but it is desirable to extend the rim to give a finished effect to the button; or, if a closed-top button is preferred, the closing-piece only may be omitted and the cap may be secured to the curled-over rim *b* by its flange *d*. This stud-catch is shown as having a slit *f* in its lower end and inturned lips *g* to hold the stud member. It will also be noticed that the lower portion of the stud-catch is slightly tapered to give room for the necessary expansion of the lips to admit the stud; but the stud-catch need not of necessity be slitted, as I contemplate the use of the curled-over upper rim portion with stud-catches of various types and for use with both resilient and solid stud members. In case the catch is to be used with a spring-stud any form of holding-aperture or of holding-lips may be adopted.

It will be noticed that when the fastening-eyelet is passed through the material and its edge strikes the curled portion of the stud-catch said curled portion forms an efficient anvil and upsetting-surface which is always reliable, which holds the parts firmly to the material when attached, and which is exceedingly simple and cheap to produce. Another feature of my stud-catch resides in the fact that the button-head may be set down closely to the material and that it has a compact and finished appearance, which will be readily appreciated by those familiar with the art to which my invention belongs. Furthermore, the curled or curved upper rim of the stud-catch serves as a complete inclosure for the upset end of the fastening-eyelet, concealing all rough edges or burred projections.

Without desiring to limit my invention to all the details shown, what I desire to secure by Letters Patent and claim is—

1. A stud-catch for a separable button hav-

ing a curled-over rim, forming within it an anvil and recess for upsetting and receiving the end of an attaching-eyelet for securing the button to the material, substantially as described.

2. A button-head for a separable button consisting of a slitted stud-catch, with terminal lips, a curled-over rim or upper end, forming within it an anvil and recess for the end of a fastening-eyelet, in combination with a fastening-eyelet, substantially as described.

3. A separable button-head consisting of a cap, a closing-piece secured thereto, a stud-catch having a curled rim or upper end, and a fastening-eyelet upset within the recess formed within the rim of the stud-catch, substantially as described.

4. A separable button-head consisting of a stud-catch having a curled-over rim forming a recess therein to receive and engage the end of a fastening-eyelet, a cap secured to said catch, and a fastening-eyelet having its end clenched within the recess of the stud-catch, substantially as and for the purpose set forth.

EUGENE PRINGLE.

Witnesses:
JOHN L. CURTS,
WILLIAM C. MILLS.