W. C. HEATLIE.

ENVELOP GRIP AND PEN OR PENCIL RACK.

APPLICATION FILED JULY 20, 1920.

1,375,509. Patented Apr. 19, 1921.

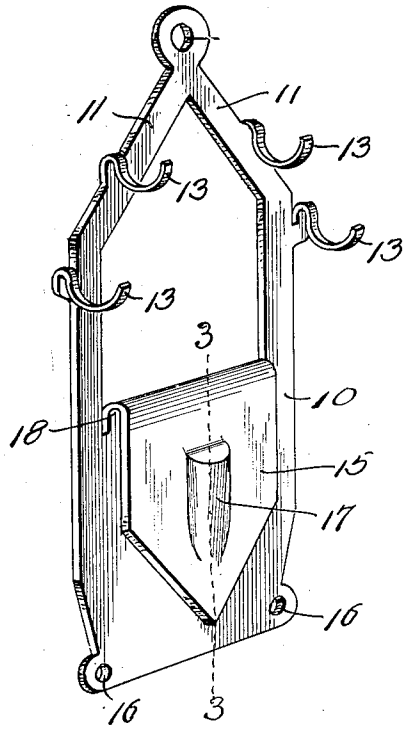


FIG. 1.

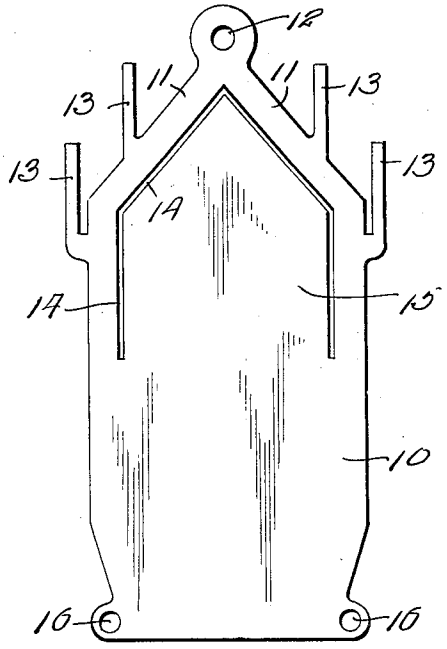


FIG. 2.

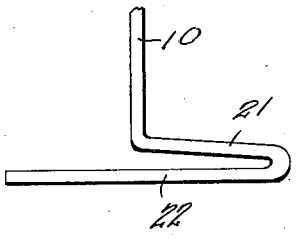


FIG. 4.

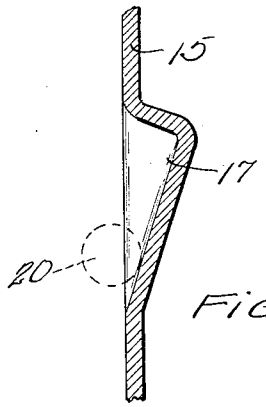


FIG. 3.

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ENVELOP-GRIP AND PEN OR PENCIL RACK.

1,375,509. Specification of Letters Patent. Patented Apr. 19, 1921.

Application filed July 20, 1920. Serial No. 397,757.

To all whom it may concern:

Be it known that I, WILLIAM C. HEATLIE, a citizen of the United States, residing at Beverly, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Envelop-Grips and Pen or Pencil Racks, of which the following is a specification.

This invention relates to envelop grips and pen and pencil racks and has special reference to a new article of manufacture in the form of an envelop grip and rack of the character described.

One important object of the invention is to provide an improved and simplified form of such device the body of which is manufactured from a single piece of sheet metal stamped and bent into appropriate form to constitute the body of an envelop grip and pen and pencil rack.

A second important object of the invention is to provide an article of manufacture of this character wherein no screws, rivets, springs, or other like devices will be needed to hold the parts together or in place, the device consisting of a one piece body and a gravity actuated grip.

With the above and other objects in view the invention consists in general of an envelop grip and pen and pencil rack having a body formed and bent from a single piece of sheet metal.

In the accompanying drawings, like characters of reference indicate like parts in the several views, and:—

Figure 1 is a perspective view of the complete grip.

Fig. 2 is a plan view of the blank from which the grip is formed.

Fig. 3 is a detailed section taken on the line 3—3 of Fig. 1 after the cam groove of the grip has been struck up.

Fig. 4 is a side elevation showing a modified form of base or bottom part for such a device.

In the embodiment of the invention herein discussed the body of the device is made from a single piece of sheet metal having a main portion 10. The upper part of this main portion has its edges inclined upwardly toward each other as at 11 and terminates in a stamped out eye 12. Projecting upward on the blank from the sides of the main portion 10 are prongs 13. Extending parallel to the sides and inclined edges 11 are cuts 14 so as to form a tab or apron 15 connected at its base with the lower part of the main portion of the blank. At each of the lower corners are punched openings 16 for fastening screws in the form shown in Figs. 1 to 3.

In forming the blank into the finished article there is stamped in the center of the tab 15 a cam groove 17. The tab is then bent outward as at 18 and downward as at 19 so that the shallow point of the cam groove is lowermost but before completing the bending of the apron downward there is inserted in this cam groove a ball 20 which can play up and down in the groove so that letters or papers may be slipped between the body and the tab and will there be gripped by the ball. Furthermore the prongs or projections 13 are bent in the form of hooks as shown in Fig. 1.

In the embodiment illustrated in Fig. 4 the body is considerably lengthened and the lower part is bent forwardly as at 21 and then rearwardly as at 22 to form a base so that the device may be set up on a table or desk.

From the foregoing it will be seen that the body consists merely of a single piece of metal stamped and bent as described and that the entire device has but two parts, the body and the ball. Thus there is provided a new article of manufacture of great economy in construction and simplicity of form.

Having thus described the invention what is claimed as new is:—

1. A letter grip body formed from a blank consisting of a single piece of metal having substantially elongated pentagonal form, two of the sides being perpendicular to the base and the remaining two sides converging upwardly therefrom, said blank being cut along lines parallel to the upper part of the perpendicular sides and to the converging sides to form a tab, said body being formed from the blank by pressing a cam groove into the tab and then bending the tab outwardly at its attachment to the remainder of the body and then downward in spaced relation thereto whereby a ball may be held between the tab and the lower part of the body in said cam groove to constitute the movable part of the letter grip.

2. As a new article of manufacture, a paper and envelop grip having a body constructed of a single piece of sheet metal having cuts in its upper part to define a foldable tab, the base of said tab remaining at-

tached to the body, said tab having a portion pressed out to form a tapering groove, said tab being bent outward on the base line and downward on a line spaced from the base line to lie parallel to the main portion of the body, the groove being so pressed that it will face the main portion of the base with its shallow portion downward when the tab is in its bent position whereby a ball may be placed in the groove to constitute a grip in connection with the main portion.

In testimony whereof I affix my signature.

WILLIAM C. HEATLIE.