Nov. 15, 1927. 1,649,225

M. G. GRUNDMANN

ARTICLE HOLDER

Original Filed June 29, 1925 3 Sheets-Sheet 1

Fig. 1.

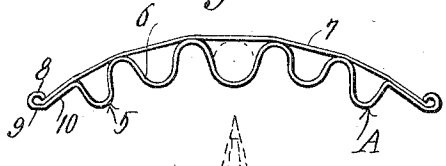


Fig. 2.

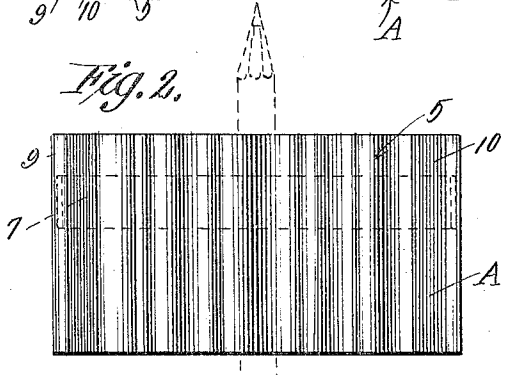


Fig. 3.

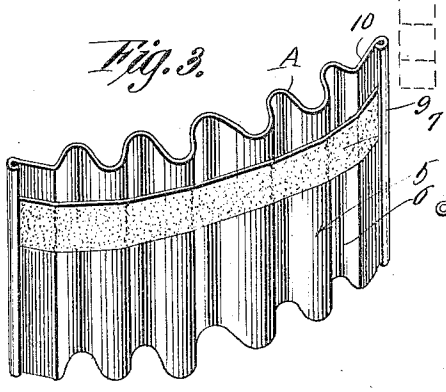


Fig. 4.

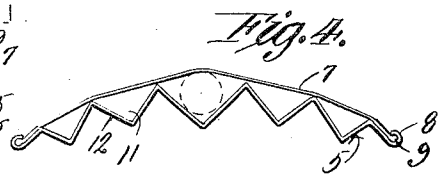


Fig. 5.

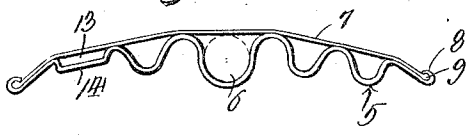
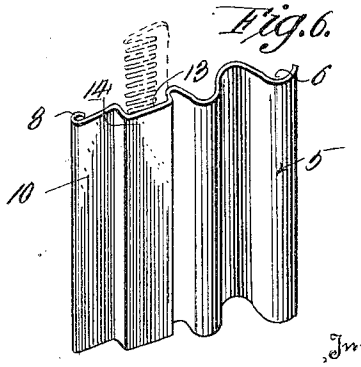


Fig. 6.



WITNESSES

Guy M. Spring

Geo. W. Wright

Inventor

MICHAEL G. GRUNDMANN

By Richard B. Owen

Attorney

Nov. 15, 1927. 1,649,225

M. G. GRUNDMANN

ARTICLE HOLDER

Original Filed June 29, 1925 3 Sheets-Sheet 2

Fig. 7.

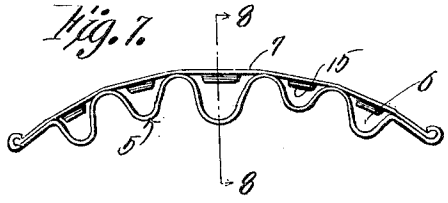


Fig. 9.

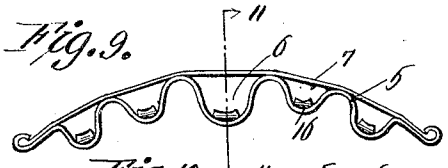


Fig. 8.

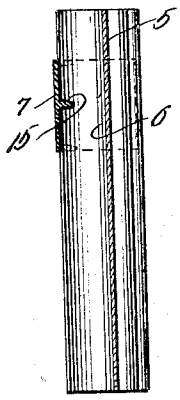


Fig. 10.

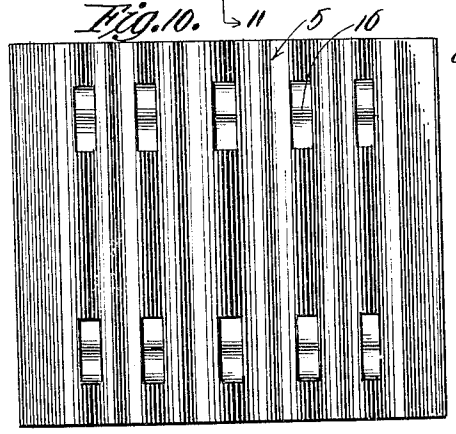


Fig. 11.

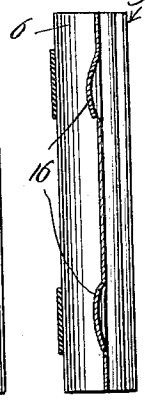


Fig. 12.

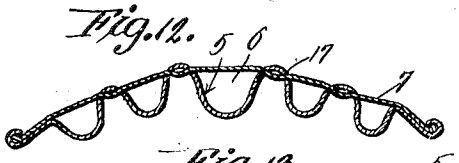


Fig. 13.

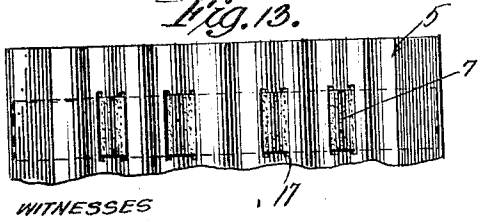


Fig. 14.

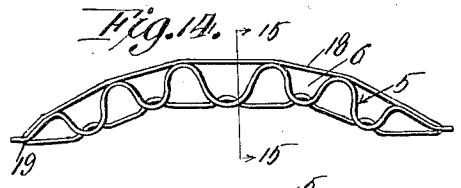
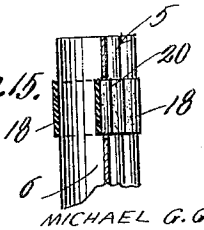


Fig. 15.



WITNESSES

Guy M. Spring

Geo. W. Wright

Inventor

MICHAEL G. GRUNDMANN

By Richard B. Owen Attorney

Nov. 15, 1927. 1,649,225

M. G. GRUNDMANN

ARTICLE HOLDER

Original Filed June 29, 1925 3 Sheets-Sheet 3

Fig. 16.

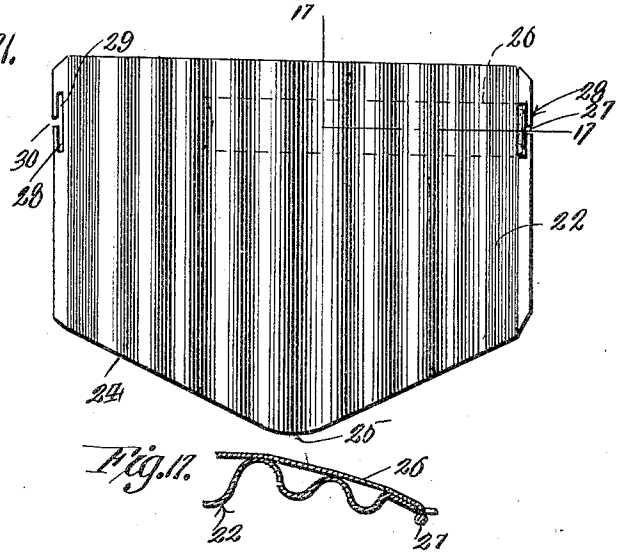


Fig. 21.

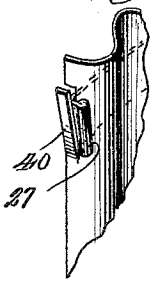


Fig. 24.

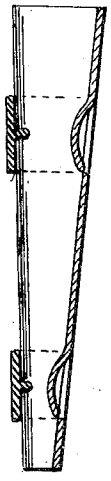


Fig. 17.

Fig. 22.

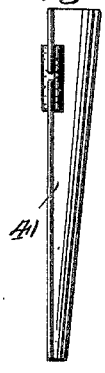




Fig. 23.

Fig. 18.

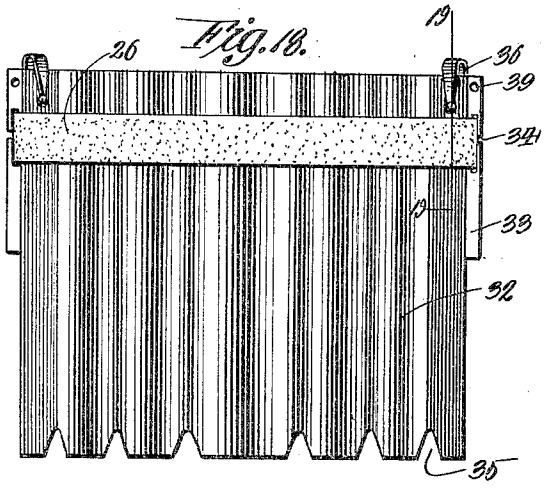


Fig. 19.

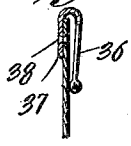


Fig. 20.



WITNESSES

Guy M. Spring

George W. Wright

Inventor

MICHAEL G. GRUNDMANN

By Richard B. Owen

Attorney

Patented Nov. 15, 1927. 1,649,225

UNITED STATES PATENT OFFICE.

MICHAEL G. GRUNDMANN, OF FARIBAULT, MINNESOTA.

ARTICLE HOLDER.

Application filed June 29, 1925, Serial No. 40,461. Renewed April 11, 1927.

This invention relates to novel means for holding articles in place in a pocket against loss and the primary object of the present invention is to provide a device which will readily fit within the pocket and hold a number of different articles firmly in place, and which will conform to the configuration of the body of the wearer, so as to prevent any discomfort to the wearer.

A further object of the invention is to provide an article holder, which will fit snugly within the pocket for receiving a plurality of different articles, such as pencils, pens, pocket combs, and the like, and which will not cause any undue wear on the pocket.

A further object of the invention is to provide a pocket attachment for supporting a plurality of different articles embodying an arcuate plate corrugated to provide a plurality of spaced chambers or concavities for receiving the articles to be held, and novel means associated with the plate for frictionally engaging the articles to prevent the accidental displacement thereof from the chambers or concavities formed in the plate.

A further object of the invention is to provide novel means for detachably associating the means employed for frictionally engaging the articles with the plate, so that the friction means can be readily removed, when worn out or necessary.

A further object of the invention is to provide a novel means for detachably associating the plate with the pocket, so as to prevent the displacement of the plate from the pocket.

A still further object of the invention is to provide a novel article carrier attachment for vest pockets and the like, which will be durable and efficient in use, one that will be simple and easy to manufacture and one which can be placed upon the market at a small cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts as will be hereinafter more specifically described, claimed, and illustrated in the accompanying drawings, in which drawings:

Figure 1 is a top plan view of the improved article carrier,

Figure 2 is a front elevation of the same,

Figure 3 is a perspective view of the carrier showing the novel chambers formed therein and the friction means for engaging the articles to be supported,

Figure 4 is a top plan view of a modified form of the invention showing a different arrangement of the chambers or cells for receiving the articles,

Figure 5 is a top plan view of a slightly further modified form of the invention showing the pockets of different shape formed in the plate for receiving different kinds of articles, such as combs, pencils and the like.

Figure 6 is a fragmentary detail perspective view of the form of the invention shown in Figure 5,

Figure 7 is a plan view of a further modified form of the invention showing friction bits or lugs formed on the friction band for engaging the articles to hold the same in the pockets,

Figure 8 is a vertical section through the same taken on the line 8—8 of Figure 7 looking in the direction of the arrows,

Figure 9 is a plan view of a still further modified form of the invention showing resilient tongues struck out from the plate for frictionally engaging the articles in the cells or pockets.

Figure 10 is an elevation of the same,

Figure 11 is a vertical section taken on the line 11—11 of Figure 9 looking in the direction of the arrows, showing the resilient tongues,

Figure 12 is a plan view of a still further modified form of this invention showing another method of connecting the elastic band with the plate,

Figure 13 is a fragmentary elevation of the same showing the elastic band threaded through certain of the pockets of the plate,

Figure 14 is a plan view showing a still further modified form of the invention illustrating another method of connecting the elastic band with the plate,

Figure 15 is a fragmentary vertical section taken through the part of the invention shown in Figure 14, the section being taken on the line 15—15 of Figure 14 looking in the direction of the arrows,

Figure 16 is a front elevaton of a further modified form of the invention showing another method of detachably connecting the band in place,

Figure 17 is a detail horizontal section taken on the line 17—17 of Figure 16,

Figure 18 is a front elevation showing a still further modified form of the invention and illustrating the clip for engaging

the pocket to hold the plate firmly in position,

Figure 19 is a fragmentary vertical section taken on the line 19—19 of Figure 18 showing the means of connecting the pocket engaging clip in place.

Figure 20 is a fragmentary plan view of the form of the invention shown in Figure 8,

Figure 21 is a fragmentary perspective view illustrating another means of anchoring the ends of the retaining band in place.

Figure 22 is a side elevation showing a modified form of the invention illustrating a different arrangement of the pockets,

Figure 23 is a vertical section through the same,

Figure 24 is a vertical section through a holder showing a form in which several of the modifications have been combined together.

Referring to the drawings in detail, wherein similar reference characters designate corresponding parts throughout the several views, the letter A generally indicates one form of my invention, which is utilized for holding pens, pencils and the like in a pocket against accidental displacement. The invention comprises essentially a plate 5, which can be, but not necessarily, made of resilient material, such as sheet metal. The plate 5 can be advantageously formed from celluloid and celluloid will also be of a sufficiently resilient nature to hold the plate in position. The plate 5 when viewed in plan is of an arcuate configuration, so as to conform to the configuration of the body of the wearer and thus cause no discomfort to the wearer. The plate is corrugated or otherwise formed to provide a plurality of spaced vertically extending pockets or cells 6. These pockets or cells 6 can increase in size toward the central portion of the plate if so desired.

Any preferred means can be employed for holding the articles to be supported within the cells or pockets 6 and as shown I have provided an elastic band 7 extending horizontally across one face of the plate. This elastic band 7, can be in the nature of an ordinary rubber band, elastic web strap or the like or a spring can be used in lieu thereof. It is preferred however to use a rubber band owing to the fact, that the inner face of the band will set up frictional contact with the article to be held, as well as a pressure thereon. The terminals of the elastic band 7 can be held in place in any preferred way, and as shown the vertical side edges of the plate 5 are bent back upon themselves to provide beads 8. The ends of the band can be clamped under the beads 8 or band 7 can terminate in large cylindrical heads or lugs 9 which can be slid within the said beads 8. It is to be noted that the plate 5 adjacent the ends thereof is provided with straight faces 10 against which the elastic band is adapted to lie, and the outer bends of the corrugations lie in the same arc of a circle with said faces.

In use of the improved article holder, the plate 15 is inserted within the desired pocket, and owing to the inherent resiliency of the plate, the side edges thereof will frictionally engage in the pocket. The articles to be held, such as pencils, pens and the like can be inserted within the cells or chambers 6 and the elastic band effectively holds the same against displacement from the said cells.

In Figure 4 of the drawings, I have provided a slightly modified form of the plate in order to provide different shaped cells or chambers for the articles to be held, and it can be seen that in this form the plate 5 is corrugated or bent to provide chambers or cells 11 having right angularly related side walls 12. This provides means for engaging each article to be held at two spaced points.

In all other respects, this form is substantially the same as shown in Figures 1 to 3 inclusive.

In Figure 5 and 6, I have shown a form of my invention, in which different objects, besides pens and pencils can be held in place, and at one end of the plate 5, the same is so bent as to form a polygonal shaped cell 13 having a flat inner wall 14. This forms a pocket substantially rectangular shaped in cross section and permits the ready association of pocket combs, rulers and the like therewith.

If preferred, the elastic band 7, utilized for receiving the articles in the various chambers, or cells and can be corrugated or otherwise treated so as to insure the correct gripping of the articles thereby as shown in Figures 7 and 8 inclusive, the band 7 is provided with inwardly directed friction lugs or teats 15, a flexible lug or teat being provided for each cell or chamber 6.

In Figures 9 to 11 inclusive, I have shown a further modified means for frictionally engaging the articles to be held and the rear walls of the cells or chambers 6 can be provided with struck out resilient tongues 16. It is obvious that these tongues will frictionally grip the articles placed in the cells. The exact formation of the tongues 16 and the position thereof can be readily varied, without departing from the spirit of the invention, and as shown in Figures 10 and 11, the tongues 16 are formed adjacent to the upper and lower ends of the cells or chambers and are disposed in opposite relation to one another.

In Figures 12 and 13 I have shown a modified means of associating the friction band

with the plate and in this form, the corrugations are provided with vertical slits 17 through which the intermediate portion of the band is threaded. This insures the holding of the band in the desired position on the plate.

Instead of using a single band or strap across one face of the plate 5, I can use endless band 18. The band can either be placed about the edges of the plate that is slid entirely over the plate, or the plate 5 can be provided adjacent the ends thereof with slots 19 through which the band can be placed. If preferred, the bottom or rear walls of the cells or chambers can be provided with slots 20, through which the endless band 18 can be threaded.

In Figure 16 I have shown a modified form of base plate, which is generally indicated by the reference character 22 and it is to be noted that the lower edge of the plate is inclined in opposite directions as at 24 to provide a leading point 25. This facilitates the insertion of the plate in the pocket of the user. In this form of the invention, I have also disclosed a modified form of means for holding the retaining strap in place. The strap in this form of the invention is indicated by the reference character 26 and the ends thereof are provided with heads 27. The extreme side edges of the plate 22 is provided with T-shaped slots 28 and these slots define a vertical slit 29 having a restricted neck entrance 30 opening out of the side edges of the plate. By means of the restricted neck entrance, the elastic band or strap 26 can be placed in position in the body portion 29 of the slot and the head 27 will prevent the accidental displacement thereof.

In Figures 18 to 20 inclusive I have illustrated a still further modified form of the invention, and in this form I provide a plate 32, the side edges of which are provided with lugs 33 having slots 34 therein. Similar slots 30 shown in that form of my invention illustrated in Figures 16 and 17. The lower edge of the plate 32 is notched as at 35, which communicates the chambers or cells for the articles.

In this form of the invention, the upper edge of the plate 32 can have associated therewith in any preferred way pocket clips 36 for engaging the pocket and for insuring the holding of the plate in position.

In view of the fact that the plate 32 is more or less placed permanently in the pocket, it will be seen that the clips 36 will cause no undue wear on the pocket incident to the snapping of the clips into and out of place. This is one of the advantages of my invention over the ordinary pocket clips associated with the pens and pencils in view of the fact, that the clip must be taken off the pocket each time the pen or pencil is used.

In Figure 19, I have shown one method of holding the clip in place and it can be seen that the clips 36 are provided with shanks 37 which are riveted as at 38 to one face of the plate 32. If preferred the flanges 33 can be provided with openings 39 which will permit the sewing of plates in the pocket it being understood that the thread can be placed through the said openings.

A number of different ways can be provided in which the elastic retaining band can be detachably held in position, and in Figure 21 I have shown a still further way in which the band can be held in place. In this form of the invention, the side edges of the body plate are provided with struck out tongue 40 and the enlarged ends of the band are inserted in rear of the said tongues as clearly shown.

In Figures 22 and 23 of the drawings I have provided a body plate 41 which is corrugated to provide the spaced cells or pockets 42 for the articles to be held. However in this instance, the rear walls of the pocket are gradually inclined inwardly toward the lower end of the plate so as to reduce the size of the said cells or chambers. Thus when the articles to be held are inserted within the chambers, a wedging action will be exerted thereon, so as to prevent the accidental displacement thereof.

In Figure 24 I have shown the body plate provided with pockets decreasing in size and with resilient tongues 16. Likewise I have shown the retaining band provided with friction lugs. Thus in this figure I have shown a number of the different modifications combined together to illustrate the cooperation thereof.

The novel means for holding the articles in the cells engage the articles substantially throughout the entire length thereof, and thus holds the articles in an upright position and prevents the swinging thereof. It has been found that the improved attachment will prevent undue wear on the pockets and insure long life to the lining thereof, besides properly holding the articles in place against loss.

Changes in details may be made without departing from the spirit or the scope of this invention, but:

What I claim as new is:

1. A pocket article holder comprising a single plate corrugated to provide a plurality of spaced vertically extending cells, beads formed on the vertical edges of the plate, an elastic band extending across one face of the plate, and enlarged heads formed on the terminals of the band for detachably fitting within said beads.

2. A pocket article holder comprising a single body plate corrugated to provide a plurality of spaced vertically extending article receiving cells, the plate being arcuate shaped in plan to conform to the con-

figuration of the body of the wearer and provided with straight plain edges, beads formed on the vertical edges of the plate, and an elastic band extending across one face of the plate having its terminals extended under said beads.

3. A pocket article holder comprising a body plate corrugated to provide a plurality of pockets, certain of the pockets being substantially semi-cylindrical shaped in cross section, and other of the pockets being rectangular shaped in cross section, whereby different shaped articles can be associated with the plate, the pockets gradually decreasing in size toward the longitudinal edges of the plate to form a plate arcuate shaped in cross section and resilient means extending across one face of the plate for engaging the articles in the pockets.

4. A pocket article holder comprising an arcuate plate corrugated to provide a plurality of spaced vertically extending article receiving cells, a resilient band extending across one face of the plate, means detachably connecting the terminals of the band to the vertical edges of the plate, and friction lugs formed on one face of the band for extending into the cells.

5. A pocket article holder comprising a body plate corrugated to provide a plurality of vertically extending article receiving cells, elastic band extending across one face of the plate for frictionally engaging the articles placed in the cells and resilient struck out tongues on the plate disposed in the pockets for engaging said articles.

6. A pocket article holder comprising a corrugated plate forming a plurality of article receiving cells, an elastic band extending across one face of the plate for engaging the articles in the pockets, the pockets gradually decreasing in size toward the lower ends thereof, as and for the purpose specified.

In testimony whereof I affix my signature.

MICHAEL G. GRUNDMANN.