Sept. 6, 1932. F. H. SCHUBERT 1,875,766

CUSHIONING SECURING ATTACHMENT

Filed Dec. 20, 1930

Fig. 1.

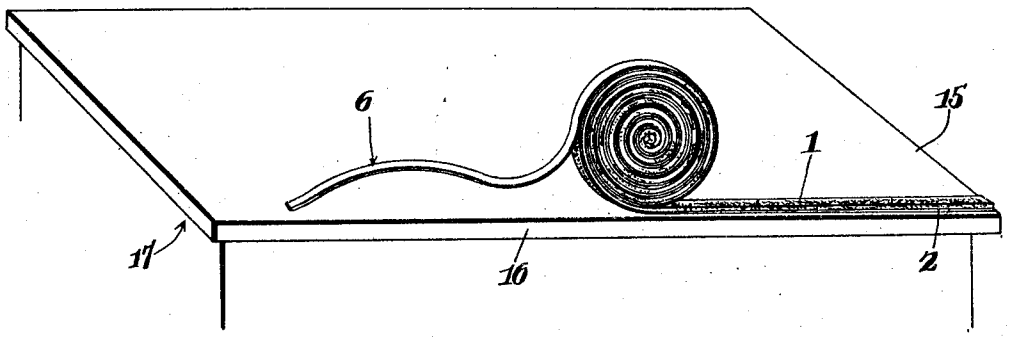


Fig. 2.

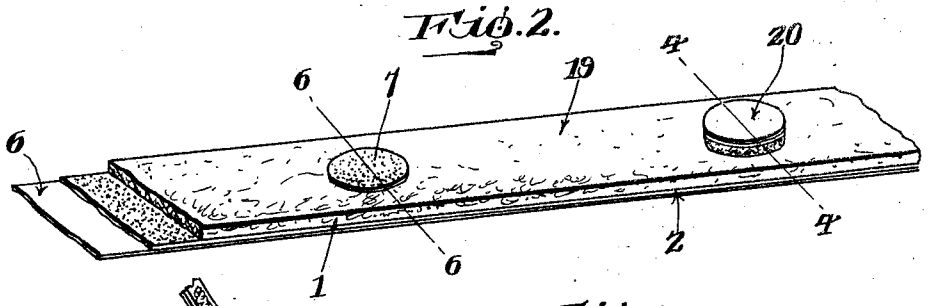


Fig. 3.

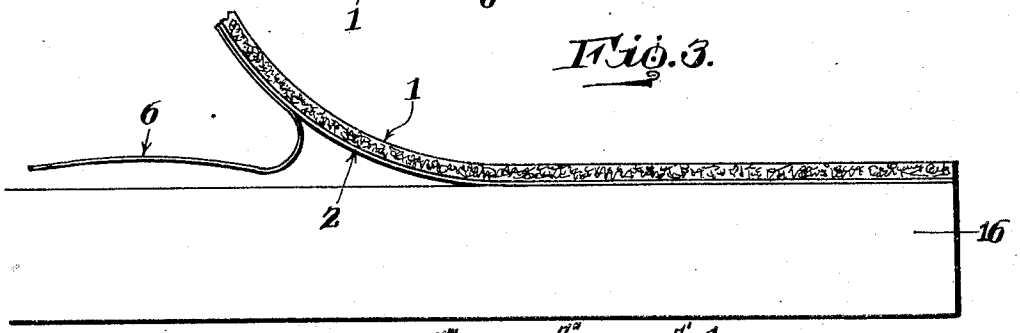


Fig. 6.

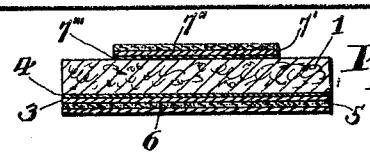
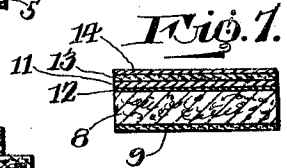


Fig. 7.



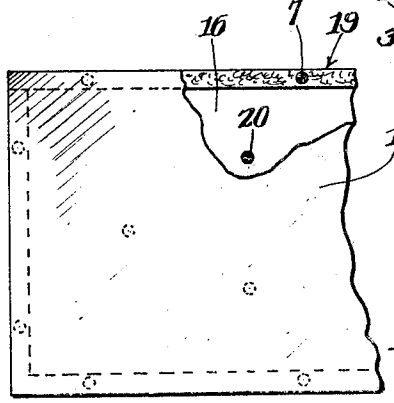


Fig. 4.

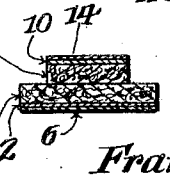


Fig. 5.

INVENTOR.
Franz H. Schubert
BY
Geo. P. Kimmel
ATTORNEY.

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UNITED STATES PATENT OFFICE

FRANZ H. SCHUBERT, OF FORT WORTH, TEXAS

CUSHIONING SECURING ATTACHMENT

Application filed December 20, 1930. Serial No. 503,854.

This invention relates to a cushioning securing attachment designed primarily for use in connection with glass protecting covers for the upper surfaces of tops of desks, sideboards, buffets, dressers, chiffoniers, bureaus and tables, but it is to be understood that an attachment in accordance with this invention may be employed for any purposes for which it may be found applicable, and the invention has for its object to provide, in a manner as hereinafter set forth, an attachment of the class referred to not only acting as a cushioning support for the cover, but further acting to anchor the latter stationary in superposed position relative to the upper surface of the article for which the cover is employed to protect.

A further object of the invention is to provide, in a manner as hereinafter set forth, an attachment for the purpose referred to acting when set up to prevent the entrance of dust between the cover and the upper surface of the top of the article for which the cover is employed to protect.

A further object of the invention is to provide, in a manner as hereinafter set forth, an attachment for the purpose referred to acting when set up to prevent the shifting of the protecting cover relative to the surface for which the cover is employed to protect.

A further object of the invention is to provide, in a manner as hereinafter set forth, an attachment of the class referred to having continuous means for fixedly securing it to the upper surface of the top of the article and spaced means for securing the cover to and upon the attachment.

A further object of the invention is to provide, in a manner as hereinafter set forth, an attachment of the class referred to including a cushioning element provided with adhesive material for securing it in position and for securing the cover thereto, and further including means to protect such material until the attachment is arranged in securing position relative to the cover.

Further objects of the invention are to provide, in a manner as hereinafter set forth, a cushioning attachment for the purpose referred to which is comparatively simple in its construction and arrangement, strong, durable, compact, thoroughly efficient in its use, conveniently applied for securing a protecting cover in position, and inexpensive to manufacture.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as hereinafter more specifically described, and illustrated in the accompanying drawing, wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which fall within the scope of the claims hereunto appended.

In the drawng wherein like reference characters denote corresponding parts throughout the several views:—

Figure 1 is a fragmentary view in perspective of a desk showing the manner in which the attachment is applied to the marginal portion of the upper surface of the desk top; the means for securing the marginal portions of a cover to the attachment and the means for supporting and securing the cover body, not being shown.

Figure 2 is a fragmentary view, in perspective, of the complete attachment.

Figure 3 is a fragmentary view in side elevation of a desk showing the attachment applied to one marginal portion of the upper surface of the desk top.

Figure 4 is a section on line 4—4 Figure 2, showing how the attachment temporarily carries the means for supporting and securing the cover body.

Figure 5 is a fragmentary view in plan of a desk top showing the attachment applied to the side marginal portions and end marginal portion and between the said marginal portions of the upper surface of the desk top and with the glass cover anchored in position by the attachment.

Figure 6 is a section on line 6—6 Figure 2 upon an enlarged scale showing in detail the means for securing the attachment to a supporting surface and to the marginal portion of a cover and the means for protecting the securing means.

Figure 7 is a cross sectional view upon an

enlarged scale, showing in detail the means for supporting and securing the cover body.

The employment of the attachment is illustrated by way of example for anchoring or securing a glass cover in protecting position with respect to the upper surface of a desk top. The attachment prior to the employment thereof is set up in the form of a roll to facilitate its application to that surface which is to be protected by the glass cover.

The attachment includes combined supporting, cushioning and coupling means for the marginal portions of the glass cover and spaced combined supporting, cushioning and coupling means for the body of the glass cover adjacent the marginal portions of the latter. Normally the combined supporting, cushioning and coupling means for the body of the glass cover are removably carried in spaced relation by the combined supporting, cushioning and coupling means for the marginal portions of the glass cover. After the combined supporting, cushioning and coupling means for the marginal portions for the glass cover are fixedly secured upon the marginal portions of the upper surface 15 of the top 16 of the desk or other articles 17 the combined supporting, cushioning and coupling means for the body of the glass cover are removed and secured in spaced relation upon the surface 15. By reference to Figure 5, the glass cover which is secured to the top 16 is indicated at 18. In Figure 5 the combined supporting, cushioning and coupling means for the marginal portions of the glass cover 18 is indicated at 19 and the spaced, combined supporting, cushioning and coupling means for the body of the glass cover adjacent the marginal portions of the latter are indicated at 20.

The means 19 includes a supporting element 1 possessing a cushioning characteristic and preferably formed from a strip of felt of the desired length, width and thickness, a coupling element 2 formed from a flexible strip 3, the length and width corresponding to that of element 1, but preferably of less thickness. One face of strip 3 is coated throughout with adhesive material or glue 4 and the other face of strip 3 is coated throughout with adhesive material 5. The element 1 is permanently secured by the adhesive material or glue 4 to the strip 3. The adhesive material 5 is employed for fixedly securing means 19 to the marginal portions of the surface 15 of the top 16 and is of a character as not to mar such surface when the elements 1 and 2 are removed from top 16. A protecting element 6 is provided for the adhesive material 5. Such element 6 acts to normally protect that face of element 2 provided with the adhesive material 5 and is removably secured to element 2 by the material 5. The element 6 is formed from a flexible strip corresponding in length and width to that of element 2 and has its outer face permanently free of adhesive material. The element 6 acts as a protective medium for the adhesive material 5 when the attachment is set up in the form of a roll and it is removed to permit of the coupling element 2 being secured by the adhesive material 5 to surface 15 and in this connection attention is directed to Figures 1 and 2. That face of element 1 which is not secured to the element 2 has fixedly secured thereto at spaced points coupling elements 7 preferably of circular form and which are employed for securing the glass cover 18 upon and to the element 1. Each of the coupling elements 7 is spaced from the side edges of element 1, and is normally protected by one of the combined supporting, cushioning and coupling means for the body of the glass cover. Each coupling element 7 comprises a circular disk 7′ permanently secured by a cementitious material or glue 7‴ on the inner face thereof to the outer face of element 1. The outer face of the disk 7′ is coated with an adhesive material 7″ for securing the cover 18 to element 1. Each element 7 is of a thickness that the weight of the cover 18 will depress it into element 1 to an extent to be substantially flush with the outer face of the latter. The showing of the elements 7 are somewhat exaggerated so their structure can be readily understood.

Each of the combined supporting, cushioning and coupling means 20 is formed with a supporting element 8 corresponding in contour to element 7, possessing a cushioning characteristic and preferably constructed of felt. The element 8 is of disk like form and has one face coated throughout with adhesive substance 9 which supplements the adhesive material 7″ for removably connecting the cover 18 to element 1. The means 20 also includes a coupling element 10 corresponding in contour to that of element 8. The element 10 consists of a disk 11 of flexible material having one face coated throughout with an adhesive substance or glue 12 and its other face coated throughout with adhesive material 13. The adhesive substance or glue 12 permanently connects the element 8 to one face of element 10. The adhesive substance 13 is employed for securing the means 20 to the surface 15 of the desk top 16. The means 20 also includes a flexible protector 14 for the adhesive substance 13. The protector 14 is removably connected to element 10 by and acts to normally protect the adhesive material 13. The protector 14 is removed when it is desired to secure the coupling element 10 to the surface 15. When the several combined supporting, cushioning and coupling means 20 are secured in spaced relation to the surface 15 and the cover 18 mount-

ed thereon the latter is secured to the element 8 by the adhesive material 9.

When the attachment is set up it prevents the glass cover from shifting relative to the top which is being protected and also prevents the entrance of dust between the top and the cover. The attachment is not only anchored to the top of the desk or other article, but also provides means for anchoring the glass cover in superposed relation with respect to the surface with which the cover is employed for protective purposes. The attachment not only supports the marginal portions of the cover, but at spaced points supports the body of the cover between the marginal portions of the latter; therefore, it is thought that the many advantages of an attachment in accordance with this invention for the purpose set forth can be readily understood, and although the preferred embodiment of the invention is as illustrated and described, yet it is to be understood that changes in the detail of construction can be had which will fall within the scope of the invention as claimed.

What I claim is:—

1. An attachment for the purpose set forth comprising a combined supporting, cushioning and coupling means of strip like form for the marginal portions of glass protecting covers for surfaces, and combined cushioning and coupling means of disk like form for the body of the cover adjacent the marginal portions of the latter, each of said means provided with adhesive material of disc like form for securing the means to the surface to be protected and for securing the means to the cover.

2. An attachment for the purpose set forth comprising a combined supporting, cushioning and coupling means of strip like form for the marginal portions of glass protecting covers for surfaces, and combined cushioning and coupling means of disk like form for the body of the cover adjacent the marginal portions of the latter, each of said means provided with adhesive material of disc like form for securing the means to the surface to be protected and for securing the means to the cover, the adhesive material also forming a part of the combined supporting cushioning and coupling strip for the marginal portions of the cover, and also for securing the cover to the strip being in the form of spaced bodies disposed at intervals upon the outer face of the strip.

3. An attachment for the purpose set forth comprising a combined supporting, cushioning and coupling means of strip like form for the marginal portions of glass protecting covers for surfaces, combined cushioning and coupling means of disk like form for the body of the cover adjacent the marginal portions of the latter, each of said means provided with adhesive material of disc like form for securing the means to the surface to be protected and for securing the means to the cover, and each of said means further including removable protectors for normally protecting the adhesive material.

4. An attachment for the purpose set forth comprising a combined supporting, cushioning and coupling means of strip like form for the marginal portions of glass protecting covers for surfaces, combined cushioning and coupling means of disk like form for the body of the cover adjacent the marginal portions of the latter, each of said means provided with adhesive material of disc like form for securing the means to the surface to be protected and for securing the means to the cover, the adhesive material also forming a part of the combined supporting cushioning and coupling strip for the marginal portions of the cover, and also for securing the cover to the strip being in the form of spaced bodies disposed at intervals upon the outer face of the strip, and each of said means further including removable protectors for normally protecting the adhesive material.

5. In an attachment for the purpose set forth comprising a combined supporting cushioning and coupling means for the marginal portions of glass protecting covers for surfaces, said means including a combined supporting and cushioning element formed of a flexible strip possessing a cushioning characteristic and having one face thereof coated at intervals with adhesive material, a coupling element formed of a flexible strip corresponding in length and width to that of said other element and having both of its faces coated throughout with an adhesive material, said coupling element having one face thereof permanently secured to the other face of said combined supporting and cushioning element, the other coated face of said coupling element providing for fixedly securing such element to the surface to be protected by the cover, and said combined supporting and cushioning element having its coated face providing for fixedly securing the cover thereto.

6. In an attachment for the purpose set forth comprising a combined supporting cushioning and coupling means for the marginal portions of glass protecting covers for surfaces, said means including a combined supporting and cushioning element formed of a flexible strip possessing a cushioning characteristic and having one face thereof coated at intervals with adhesive material, a coupling element formed of a flexible strip corresponding in length and width to that of said other element and having both of its faces coated throughout with an adhesive material, said coupling element having one face thereof permanently secured to the other face of said combined supporting and cushioning element, the other coated face of said coupling element

providing for fixedly securing such element to the surface to be protected by the cover, said combined supporting and cushioning element having its coated face providing for fixedly securing the cover thereto, and removable protecting means for normally protecting said coupling element.

7. In an attachment for supporting, cushioning and anchoring glass covers for protecting surfaces, a combined supporting and cushioning element formed with inner and outer faces, the outer face being coated with adhesive material, a coupling element formed with inner and outer faces, each coated with adhesive material, one of the faces of said coupling element being permanently secured to the other face of said other element and having its other face providing for securing the coupling element to the surface to be protected, and said combined supporting and cushioning element having its coated face providing for fixedly securing the cover thereto.

8. In an attachment for supporting, cushioning and anchoring glass covers for protecting surfaces, a combined supporting and cushioning element formed with inner and outer faces, the outer face being coated with adhesive material, a coupling element formed with inner and outer faces, each coated with adhesive material, one of the faces of said coupling element being permanently secured to the other face of said other element and having its other face providing for securing the coupling element to the surface to be protected, said combined supporting and cushioning element having its coated face providing for fixedly securing the cover thereto, and removable protecting means for the said coupling element.

9. In an attachment for supporting, cushioning and anchoring protecting covers for surfaces, an elongated, flexible cover supporting strip of cushioning material having one of its faces provided with an adhesive material, a flexible coupling strip corresponding in length and width to that of said other strip and having both of its faces coated with an adhesive material, one of the faces of said coupling strip being permanently secured to the other face of the supporting strip, the other of the faces of the coupling strip providing for fixedly securing the coupling strip to the surface to be protected, and the adhesive face of said supporting strip providing for fixedly securing the cover thereto.

10. In an attachment for supporting, cushioning and anchoring protecting covers for surfaces, an elongated, flexible cover supporting strip of cushioning material having one of its faces provided with an adhesive material, a flexible coupling strip corresponding in length and width to that of said other strip and having both of its faces coated with an adhesive material, one of the faces of said coupling strip being permanently secured to the other face of the supporting strip, the other of the faces of the coupling strip providing for fixedly securing the coupling strip to the surface to be protected, the adhesive face of said supporting strip providing for fixedly securing the cover thereto, and a flexible protecting strip removably secured to that coated face of the coupling strip to be secured to said surface, said protecting strip being of the same length and width of the coupling strip.

11. An attachment for the purpose set forth, comprising an outer combined supporting, cushioning and coupling means of strip like form for the marginal portions of glass protecting covers for surfaces, and a set of inner combined, supporting and coupling means, said outer means consisting of a pair of superimposed flexible sections secured together, the upper section possessing a cushioning characteristic and having adhesive material on its upper face for fixedly securing it to the marginal portions of the lower face of the cover and the lower section having adhesive material on its lower face for securing it to the marginal portions of the surface to be protected, each of said inner means consisting of a pair of superimposed sections secured together, the upper section of said inner means possessing a cushioning characteristic and having adhesive material on its upper face for fixedly securing it to the lower face of the cover adjacent the marginal portions of the latter and the lower section of said inner means having adhesive material on its lower face for securing it to the surface to be protected adjacent the marginal portions of the latter, the adhesive material on the upper face of said outer means being arranged at spaced intervals, each of said inner means being of less area than said outer means and normally and removably connected to said outer means by and protecting the adhesive material on the upper face of the latter.

12. An attachment for the purpose set forth, comprising an outer combined supporting, cushioning and coupling means of strip like form for the marginal portions of glass protecting covers for surfaces, a set of inner combined, supporting and coupling means, said outer means consisting of a pair of superimposed flexible sections secured together, the upper section possessing a cushioning characteristic and having adhesive material on its upper face for fixedly securing it to the marginal portions of the lower face of the cover and the lower section having adhesive material on its lower face for securing it to the marginal portions of the surface to be protected, each of said inner means consisting of a pair of superimposed sections secured together, the upper section of said inner means possessing a cushioning characteristic and having adhesive material on its upper face for fixedly securing it to the lower

face of the cover adjacent the marginal portions of the latter and the lower section of said inner means having adhesive material on its lower face for securing it to the surface to be protected adjacent the marginal portions of the latter, the adhesive material on the upper face of said outer means being arranged at spaced intervals, each of said inner means being of less area than said outer means and normally and removably connected to said outer means by and protecting the adhesive material on the upper face of the latter, a removable protector for the lower face of the lower section of the outer means, and a removable protector for the upper face of the upper section of said inner means.

13. An attachment for the purpose set forth, comprising an outer combined supporting, cushioning and coupling means of strip like form for the marginal portions of glass protecting covers for surfaces, a set of inner combined, supporting and coupling means, said outer means consisting of a pair of superimposed flexible sections secured together, the upper section possessing a cushioning characteristic and having adhesive material on its upper face for fixedly securing it to the marginal portions of the lower face of the cover and the lower section having adhesive material on its lower face for securing it to the marginal portions of the surface to be protected, each of said inner means consisting of a pair of superimposed sections secured together, the upper section of said inner means possessing a cushioning characteristic and having adhesive material on its upper face for fixedly securing it to the lower face of the cover adjacent the marginal portions of the latter and the lower section of said inner means having adhesive material on its lower face for securing it to the surface to be protected adjacent the marginal portions of the latter, the adhesive material on the upper face of said outer means being arranged at spaced intervals, and the adhesive material on the lower face of the lower section of the outer means disposed throughout said face.

In testimony whereof, I affix my signature hereto.

FRANZ H. SCHUBERT.