

Dec. 11, 1923.

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E. H. BINNS ET AL
MOUNTING MEMBER

Filed May 16, 1922

2 Sheets-Sheet 1

Fig. 1.

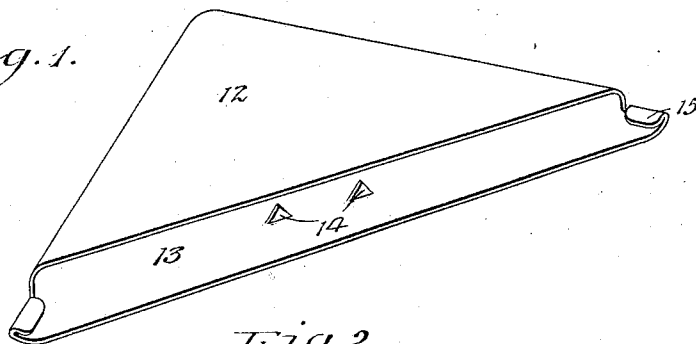


Fig. 2.

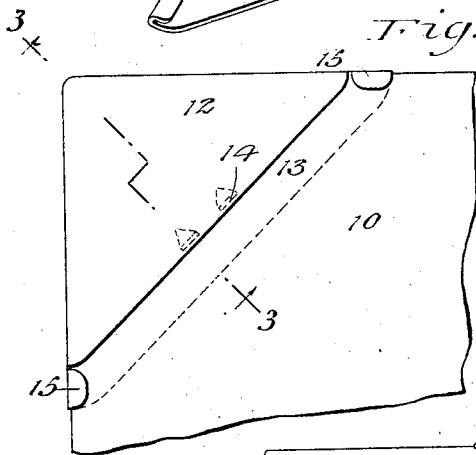


Fig. 3.

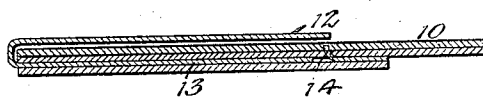


Fig. 4.

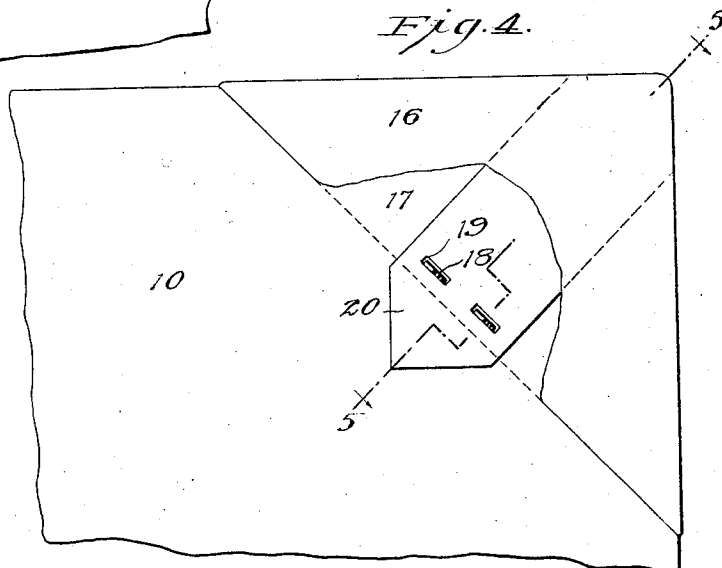
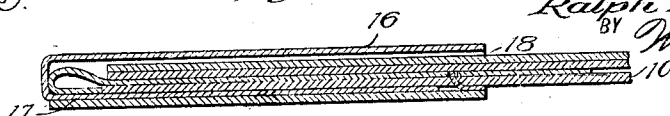


Fig. 5.



WITNESSES

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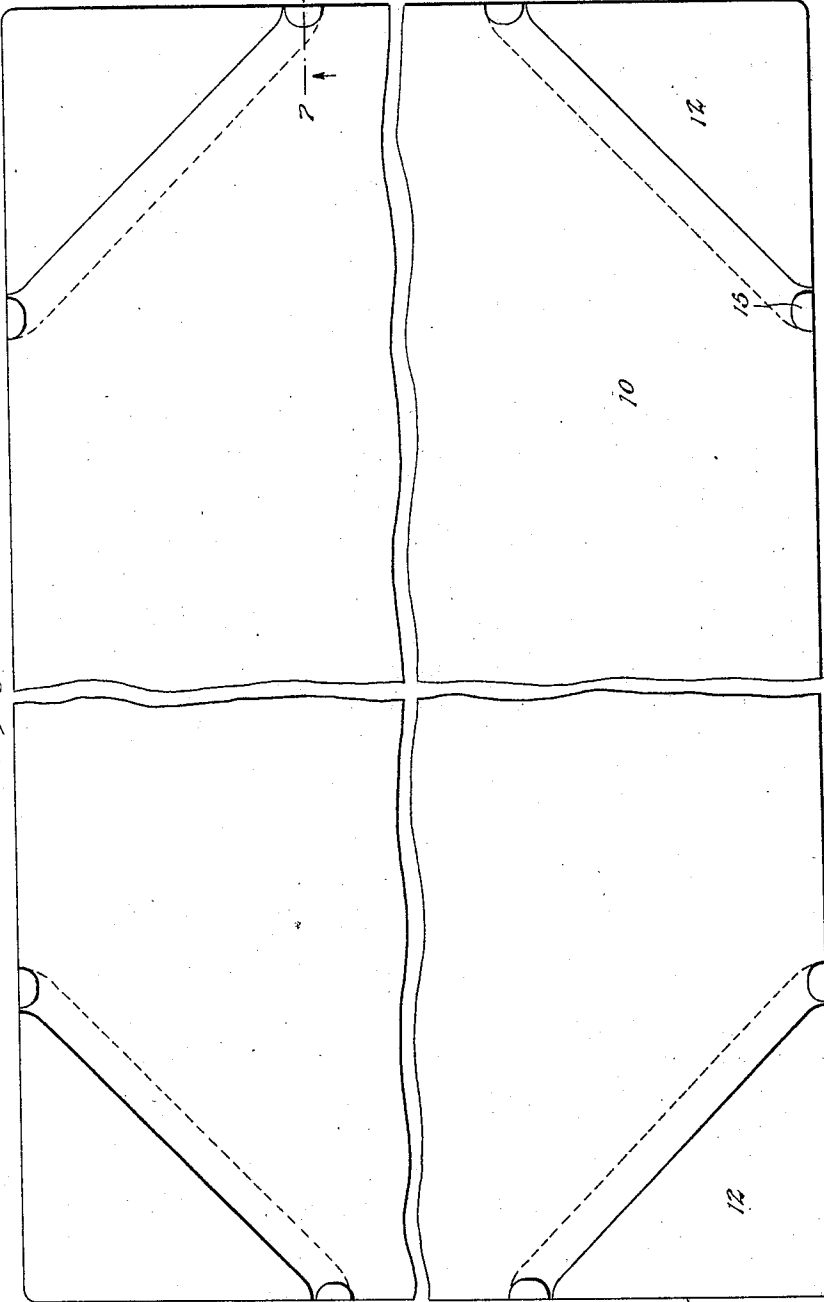
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2 Sheets-Sheet 2

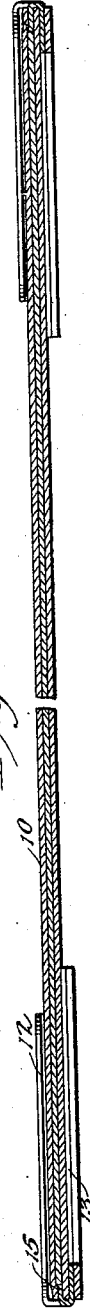
Fig. 6.



WITNESSES

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Fig. 7.



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Patented Dec. 11, 1923.

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UNITED STATES PATENT OFFICE.

EDWARD H. BINNS AND RALPH H. BINNS, OF PITTSBURGH, PENNSYLVANIA.

MOUNTING MEMBER.

Application filed May 16, 1922. Serial No. 561,363.

To all whom it may concern:

Be it known that we, EDWARD H. BINNS and RALPH H. BINNS, both citizens of the United States, and residents of Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a new and Improved Mounting Member, of which the following is a full, clear, and exact description.

Our invention relates to a mounting member and aims to provide devices of this nature, which are intended for association with the corners of sheets of material for mounting the same, the present invention being susceptible to numerous uses, and being particularly intended to be employed in conjunction with sheets of blotting paper to provide a desk pad.

It is a well appreciated fact in connection with desk pads that the same usually embrace a base portion with which corner pieces are associated, these corner pieces being adapted to receive one or more layers of blotting paper or similar material. Difficulties have been experienced in connection with desk pads of this character in that primarily the corner pieces and base have become unsightly, although the appearance of the pad unit was capable of being freshened by the association of a clean sheet of blotting paper with the pad. Also the corner pieces, which have been constructed in the nature of pockets for the reception of the corners of the sheets of blotting paper, often have mounted these sheets in such a manner that the same become buckled due to the irregularities in the size of the various sheets.

Thus it is an object of the present invention to provide a mounting member particularly intended for use as a desk pad in which all of the major portions of the pad may readily be renewed so that the same will at all times present a neat and pleasing appearance.

It is a further object of the present invention to construct mounting members in the nature of corner pieces which are preferably formed of metal and which may be utilized for numerous purposes although the same are primarily intended for use in connection with a desk pad.

It is a still further object of this invention to provide a pad of the type stated which may provide means serving to normally couple the portions of the pad fixedly with

respect to each other, although these portions may readily be detached from one another.

With these and further objects in mind our invention consists essentially in the provision of an article comprising layers of material such as blotting paper, and corner pieces associated with these layers, in such a manner as to prevent any movement of the corner pieces with respect to the layers, and to further prevent a movement of certain of these layers with respect to others of the same thus permitting the elimination of a base such as commonly forms a part of the article proper.

Reference is had to the attached sheets of drawings as illustrating practical embodiments of our invention, and it will be seen in these views that;

Figure 1 is a perspective view of a type of corner piece which may form a part of our improved type of pad.

Figure 2 is a plan view thereof.

Figure 3 is an enlarged sectional transverse view taken along the line 3—3 and in the direction of the arrows indicated in Figure 2.

Figure 4 is a sectional plan view of another form of corner piece than that shown in Figures 1 and 2, and having certain of its parts broken away to disclose underlying construction.

Figure 5 is an enlarged transverse sectional view taken along the line 5—5 and in the direction of the arrows indicated in Figure 4.

Figure 6 is a plan view of a complete pad embodying our improved construction, and

Figure 7 is a sectional side view of the said pad taken along the line 7—7 and in the direction of the arrows indicated in Figure 6.

It will be noted, that in the illustrated embodiment of the invention, we have shown a desk pad and have further illustrated the corner pieces comprising the mounting members, as forming a part of this pad.

Thus as in Figures 6 and 7, the reference numeral 10 indicates the layers of blotting paper or other material, and 11 the corner pieces, and it will be noted reference being had to Figures 1, 2 and 3, that these corner pieces may embrace a body providing an upper portion 12 and a lower portion 13 secured to and spaced from each other, it being further seen that we prefer to extend

the outer edge of the lower portion 13 beyond the plane into which the outer edge of the upper portion 12 projects.

Further it will be noted that the lower portion 13 preferably carries upwardly extending spikes 14 which may form an integral part of its body, and adjacent the side edges of the lower portion 13, and at points beyond the upper portion 12, the former is provided with inwardly extending parts or clips 15. In using a corner piece of this nature, the layers of material may be extended into the space existing between the portions 12 and 13 and pressed downwardly so that the spikes 14 will pierce one or more of the lowermost layers of material 10, as in Figure 3, and it will be understood that upon the application of a suitable number of these corner pieces to sheets of material that the latter will be retained in applied position with respect to each other, and also with respect to the corner pieces by which they are engaged, it being further seen that any displacement of the corner pieces is prevented, first by an engagement of the spikes 14 with the lowermost sheets of material, secondly by the engagement of the edges of these sheets with the inner faces of the side walls between the portions 12 and 13, and thirdly incident to the engagement of the lowermost sheets with the clip portions 15.

Now referring to the type of corner piece shown in Figures 4 and 5 it will be seen that the same is similar to the form shown in Figures 1, 2 and 3, and includes an upper and lower portion 16 and 17 respectively, these portions being secured one to the other, and retained in spaced relationship by means of suitable side walls, as has been shown. Any desirable number of spikes 18 may also be formed in the portions 17, and extend through the lowermost layer of material 10, and also through openings 19 formed in a tongue 20, which is partially housed within the space existing between the portions 16 and 17, and extends in spaced relation to the inner faces of both of these portions.

In using a corner piece of this nature, the outer end of the tongue 20 may be lifted by the operator, and the lowermost sheet or sheets 10 may be inserted into the space available between the lower face of the tongue and the upper face of the portion 17. Upon the edges of these sheets engaging the inner faces of the side walls, an operator by simply depressing the outer end of the tongue 20 will force the material into contact with the spikes 18 to such an extent that the latter will pierce the material and extend into the opening 19 of the tongue, but not beyond the same. Thus any movement of the corner piece with respect to the material layers is prevented, and an uninterrupted space is now presented between

the upper face of the tongue and the lower face of the upper portion 16 which is suitable for the reception of additional layers of material, and upon these additional layers being associated with the portions aforementioned a complete pad is provided. Thus it will be obvious that all of the objects of our invention have been accomplished, incident to the fact that primarily we provide, by means of our improved construction, a desk pad, the corner pieces of which may be constructed of metal, and which will co-operate with sheets of material such as blotting paper, to dispense with the necessity of employing a conventional base such as usually is affixed to the corner pieces.

Further, it will be appreciated that the appearance of the article is greatly improved, although the same permits of economical manufacture. Also, the corner pieces, when applied to layers of blotting paper, pictures etc., etc., will retain these sheets of material against movement with respect to each other and an extremely neat and compact article will be presented.

Obviously, numerous modifications of structure of the corner pieces might be resorted to and the latter may be used in numerous different associations, without in the slightest departing from the spirit of our invention as defined by our claims which are:

1. As an article of manufacture, a member including a plurality of sheets of material, corner pieces arranged adjacent the corners of said sheets and means permanently carried by said corner pieces for detachably connecting said sheets of material therewith.

2. As an article of manufacture, a member including a plurality of independent corner pieces adapted to be attached together by sheets of material extending between their bodies and readily detachable means engaging certain of said sheets for removably connecting the same with said corner pieces.

3. As an article of manufacture, a member including a plurality of independent corner pieces adapted to be attached together by sheets of material extending between their bodies, and rigid spikes associated with said corner pieces and engaging said sheets of material whereby this attachment is provided.

4. As an article of manufacture, a member including a plurality of independent corner pieces adapted to be attached together by sheets of material extending between their bodies, and rigid spikes affixed to said corner pieces and engaging the lowermost sheet of material whereby this attachment is provided.

5. As an article of manufacture a mem-

ber including a plurality of independent corner pieces adapted to be attached together by sheets of material extending between their bodies, rigid spikes associated with said corner pieces and engaging said sheets of material whereby this attachment is provided, and means for forcing certain of said sheets of material into engagement with said spikes.

6. As an article of manufacture a member including a plurality of independent corner pieces adapted to be attached together by sheets of material extending between their bodies, rigid spikes associated with said corner pieces and engaging said sheets of material whereby this attachment is provided, and a tongue carried by each of said corner pieces, said tongue being formed with openings for accommodating the ends of said spikes whereby certain of said sheets of material may be inserted into the space existing between the lower face of the tongue and said corner pieces subsequent to which said tongue may be depressed to drive said sheets of material into engagement with said spikes.

7. A mounting member including a corner piece, said corner piece comprising an upper and lower portion spaced from each other, and spikes associated with said corner piece and immovable with respect thereto.

8. A mounting member including a corner piece, said corner piece comprising an upper and lower portion spaced from each other, and spikes associated with said corner piece and extending upwardly from the lower portion thereof, said spikes being immovable with respect to said corner pieces.

9. A mounting member including corner

pieces, said corner pieces comprising an upper and lower portion connected together in spaced relationship, the lower portion having its outer edge extending beyond the upper portion, and clip members associated with said lower portion and at points beyond the upper portion.

10. As an article of manufacture, corner pieces adapted to be associated with sheets of material, said corner pieces comprising an upper and lower portion connected together in spaced relationship, the lower portion having its outer edge extending beyond the upper portion, and clip members associated with said lower portion and adjacent the side edges thereof at points beyond the upper portion.

11. As an article of manufacture, corner pieces adapted to be associated with sheets of material, said corner pieces comprising an upper and lower portion, spikes forming a part of the lower portion and rigid therewith, and extending upwardly therefrom; a tongue associated with each of said corner pieces and extending between the upper and lower portion thereof, said tongue being formed with openings serving to accommodate the upper ends of said spikes.

12. As an article of manufacture, a corner piece comprising an upper and lower portion spaced from each other, a spike attached to said corner piece and a tongue secured to said corner piece and movable with respect thereto, said tongue being formed with an opening for the accommodation of said spike, the end of said spike laying normally, wholly within said opening.

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