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PACKING MATERIAL

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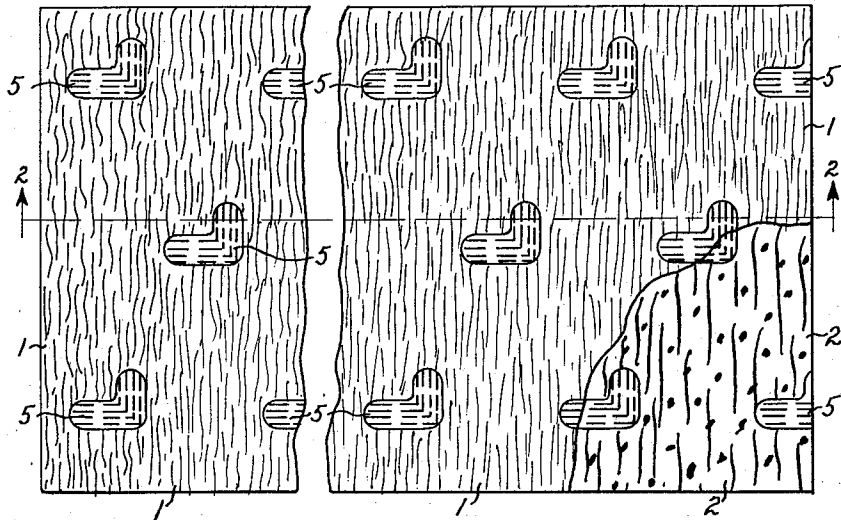


Fig. 1

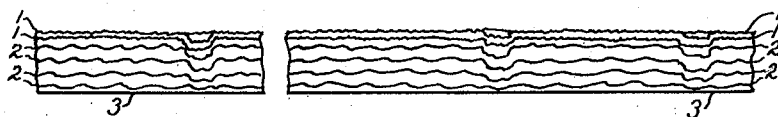


Fig. 2

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PACKING MATERIAL

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3 Claims. (Cl. 154—54)

The present invention relates to a protective sheet used for packing pieces which must be protected from scratches or dents, such for instance as polished furniture, woodwork and also glass, stone and fabricated materials.

In the packing of such articles, for instance, furniture with high polished surfaces, it is important to have a packing pad which has a very soft yielding extensible surface which will yield quickly under pressure so as not to allow scratches from particles that may be gathered on the surface or on the material. It is also necessary in protecting such surfaces for the pad to have sufficient cushioning effect so that heavy packing materials such as corrugated board, wood slats or the like in which the pieces are crated do not project through the material and injure or dent the polished surfaces.

In addition to this a commercial acceptable padding must also be within a suitable price range as the packing and shipping of the article merely adds cost to the article without of course showing its effect on the production of a better article itself. In order to produce such material within the necessary price range, the applicant has constructed a packing pad of such materials that the desired results are accomplished at comparatively exceptionally low cost.

The invention will be more fully described in connection with the drawing illustrating the pad. In the drawing—

Figure 1 shows a face view of the pad with a fragment of the top section removed and,

Figure 2 shows a section taken on the line 2—2 of Figure 1.

In the drawings the top sheets of the pad 1, etc., with which the surface to be protected comes in contact, comprises a long fibred pulp or paper which will take a high degree of creping and which in fact is creped to a high degree so that it will yield more readily than with the ordinary creping. These long fibred thin sheets are preferably sulphite and with only a small quantity of ground wood or only chemical pulp. Further these sheets are preferably absorbent for grease oil and moisture. These sheets are combined with a plurality of sheets or coarsely creped paper, 2, 2, 2, which has a high percentage of ground wood or mechanical pulp, and which in its coarse creping provides a lower degree of creping and therefore less flexibility than the surface sheets nearest the surface to be protected. In this combination there are preferably

a greater number of coarsely creped sheets than finely creped sheets joined together. With regard to the thickness of the sheets, these may be relatively of the same thickness, but it is preferable in cases to have the surface sheets somewhat heavier and stronger than the under sheets of paper.

A top backing surface of wax or glazed paper may also be used although the combination of the two crepe sheets may suffice for the protective material. This material is not only a protection against dents and scratches but also serves as a protection against rapid for excessive temperature changes in that the material is a substantially good heat insulating element. If desired, and it is preferable in some cases, the surface sheets may be calendered and the coarsely creped sheets uncalendered, with the latter type exceeding greatly the former type in the pile.

The same combination however may be used with the finely creped sheets uncalendered. The sheets may be pressed together in spots by an embossing machine as indicated by 5, 5, 5, etc.,

Having now described my invention, I claim:

1. A wood pulp cellulose padding composed of a multiple number of adjacently arranged coarsely creped layers and a multiple number of adjacently arranged finely creped layers, said coarsely creped layers exceeding in number said finely creped layers and said coarsely creped layers having a higher percentage of ground wood pulp and said finely creped layers consisting essentially of long fibred pulp and constituting the surface layers adapted to come in contact with the surface to be protected, all of said layers being joined in face to face relationship with each other by embossing the same in spots.

2. A wood pulp cellulose padding as in claim 1, composed of a multiple number of finely and coarsely creped layers, said coarsely creped layers having a higher percentage of ground wood than said finely creped layers, said finely creped layers being calendered and said coarsely creped layers being uncalendered.

3. A cellulose padding as in claim 1, composed of a multiple number of adjacently arranged coarsely creped layers and a multiple number of adjacently arranged finely creped layers and a top backing sheet of moisture proof material positioned adjacent to said coarsely creped layers and means attaching said sheets in face to face relationship by embossing the same in spots.

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