July 3, 1923. 1,460,833

H. ABRAHAM

PACKAGING SHINGLES

Filed March 10, 1922

Fig. 1,

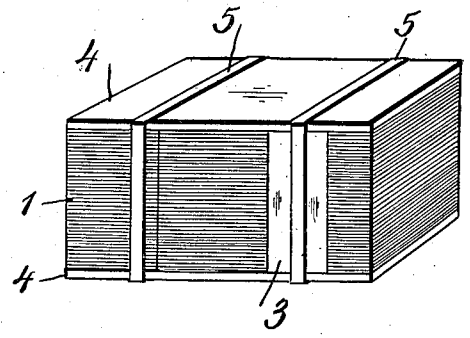


Fig. 2,

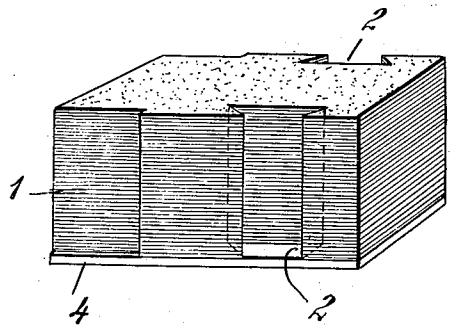


Fig. 3,

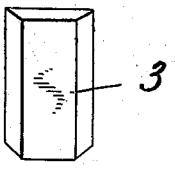
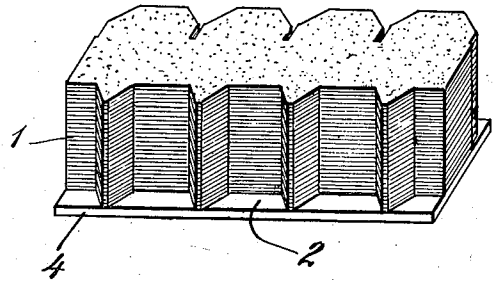


Fig. 4,



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By his Attorney

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UNITED STATES PATENT OFFICE.

HERBERT ABRAHAM, OF NEW YORK, N. Y., ASSIGNOR TO THE RUBEROID COMPANY, A CORPORATION OF NEW JERSEY.

PACKAGING SHINGLES.

Application filed March 10, 1922. Serial No. 542,564.

To all whom it may concern:

Be it known that I, HERBERT ABRAHAM, a citizen of the United States, residing at the city, county, and State of New York, have invented certain new and useful Improvements in Packaging Shingles, of which the following is a specification.

This invention relates to the art of packaging composition shingles or shingle strips of the type having recesses in one or more of their edges.

It has been the practice heretofore to supply shingles and shingle strips in packages or bundles and to rely upon the users or roofers to provide the nails to fasten them. To secure the best results it is desirable that nails protected with a zinc or non-corrosive coating be used, because if uncoated nails are employed they are apt to be destroyed in a comparatively short time by corrosion.

While the manufacturers of roofing material recommend the use of a non-corrosive nail they have no practicable means of knowing whether or not the users actually employ this type of nail in laying the roof. Errors in judgment or carelessness on the part of the user in selecting a proper type of nail is liable to result in an unsatisfactory roof. Such error or carelessness not only causes dissatisfaction to the user but is also liable to cause injury to the manufacturer's reputation as the fault is likely to be attributed to defective material rather than to the use of improper nails.

The object of this invention is to provide a compact package or bundle containing both the shingles, or shingle-strips, and receptacles holding a sufficient quantity of non-corrosive nails to fasten them. Such a package is not only advantageous to the manufacturer but is also convenient to the user as he will have the proper nails ready at hand to lay the roof.

In the accompanying drawings,

Figure 1 is a perspective view of a stack of shingles packed according to this invention;

Figure 2 is a similar view of the package with the top board, the binding means and the nail-container removed.

Figure 3 is a perspective view of a detached nail-container, and

Figure 4 is a perspective view of a plurality of shingle strips arranged in stack form.

The package comprises a stack 1 of shingles or strips of the character having recesses in one or more of their edges, which recesses register with one another to form a uniform groove or channel 2 in a wall of the stack.

3 indicates a box-like container or receptacle whose contour is complementary to that of the groove 2 so that when the container is placed in the groove it will fit snugly therein, with the outer wall of the container flush with the wall of the stack. The container is adapted to hold a quantity of the non-corrosive nails that are supplied by the manufacturer of the roofing and that are intended to be used in fastening the shingles or strips to a roof.

In forming the packages, the nail-containers 3 are placed in the grooves 2, and rectangular shaped heads 4, made of wood or other suitable rigid material, are placed on the top and bottom of the stack 1, the heads serving both to protect the stack and to prevent endwise movement of the nail-containers. Where the stack is materially taller than the nail-container, the length of the grooves may be suitably reduced by reversing some of the shingles at the bottom and top of the stack respectively.

The packages are then fastened or bound with ties 5 of wire, metal tape, or other suitable material, extending around its sides, top and bottom. One or more containers 3 form a part of each package. These containers not only serve to hold the nails but also have a stiffening effect on the package itself by preventing the shingles or strips from shifting laterally.

What I claim is:

1. A package comprising a plurality of similarly recessed roofing elements arranged with the recesses in registration to form a groove, a nail-container of a shape complementary to that of the groove fitting in the groove, and fastening means binding said parts together.

2. A package comprising a stack of similarly recessed roofing elements arranged with the recesses in registration to form a groove in a side of the stack, a nail-container fitting snugly in the groove with its outer wall flush with the side of the stack, and fastening means binding said parts together.

3. A package comprising a plurality of

similar roofing elements, each having a recess in at least one of its edges, stacked with the recesses in registration to form a uniform groove, a nail-container whose shape is substantially complementary to the groove fitting in said groove, rigid heads on the top and bottom of the stack, and fastening means passing around the heads and the sides of the stack to bind the parts together.

4. A package comprising a plurality of similarly recessed roofing elements stacked with the recesses in registration to form a groove, a nail container disposed in the groove with its outer wall substantially flush with the wall of the stack, and fastening means binding said parts together and securing the nail container in the groove.

5. A package comprising a plurality of roofing elements superposed on one another and bound together to form a stack, said elements being of such configuration and so arranged as to provide a groove in a wall of the stack, and a nail container secured in said groove.

HERBERT ABRAHAM.