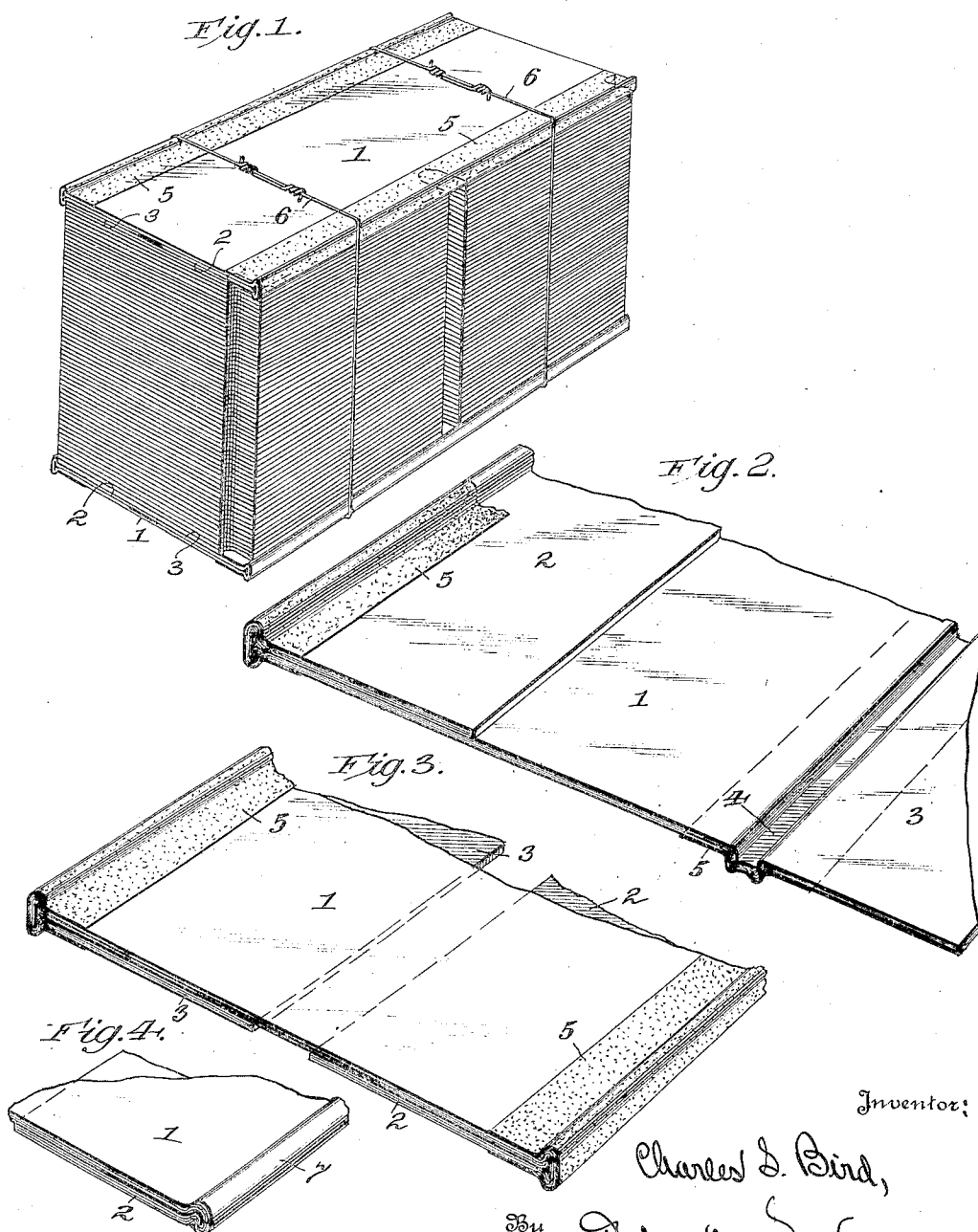


C. S. BIRD.
COVER BOARD FOR SHINGLE BUNDLES AND THE LIKE.
APPLICATION FILED DEC. 10, 1919.

1,359,569.

Patented Nov. 23, 1920.



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UNITED STATES PATENT OFFICE.

CHARLES S. BIRD, OF EAST WALPOLE, MASSACHUSETTS.

COVER-BOARD FOR SHINGLE-BUNDLES AND THE LIKE.

1,359,569.

Specification of Letters Patent. Patented Nov. 23, 1920.

Application filed December 10, 1919. Serial No. 343,948.

To all whom it may concern:

Be it known that I, CHARLES S. BIRD, a citizen of the United States, residing at East Walpole, in the county of Norfolk and State of Massachusetts, have invented certain new and useful Improvements in Cover-Boards for Shingle-Bundles and the like, of which the following is a specification.

10 This invention has reference to means for bundling shingles and is adapted more particularly for use in connection with paper or felt shingles, which, by reason of their nature, can not be as readily packed or bundled as can the ordinary wooden shingle.

15 The main object of the present invention is to provide cover boards, which boards are constructed in such manner as to preclude the cutting through of the binding wires employed to hold the bundle together.

20 The boards, of which there are two, one being imposed upon the lower and the other upon the upper face of the bundle, are preferably formed of heavy, so-called fiber board, each board being produced from a single sheet of material, and preferably provided along the line of fold with a stay strip.

25 The invention is illustrated in the accompanying drawings, wherein:

30 Figure 1 is a perspective view showing a complete bundle of shingles with the cover parts in place;

35 Fig. 2 a perspective view on a somewhat enlarged scale of a portion of one of the cover boards with one of the flaps turned outwardly;

40 Fig. 3 a similar view as seen from the opposite side with both of the flaps turned inwardly; and

Fig. 4 a perspective view of a modified form of board.

45 The upper and lower boards are alike in form and hence a description of one will suffice and the same reference numerals are applied to each.

50 Having reference to Figs. 1 to 3 inclusive, the board, so-called, is formed from heavy fiber board and comprises a main body portion 1 and two intumed flaps 2 and 3. The stock from which these boards are formed is preferably run through a creasing or indenting machine which forms a pair of parallel creases 4 in the stock, the 55 creases being spaced apart a distance equal

to the length of the shingle, that is, the length from the butt to the tip of the shingle. The stock from which the boards are formed may be in a continuous length and cut up to form boards of the required dimensions, or a length equal to the width of the shingle which go to make up the bundle, or separate pieces of stock of the proper dimensions may be creased or indented. Preferably, there is applied to the stock, 65 along the lines of indentation, a strengthening strip, as of cloth or tough and heavy paper, as indicated by 5. By indenting the stock as shown there will be formed a beaded portion along opposite edges of the board, which beaded edges not only protect the ends of the shingle, but also assist in preventing the fastening wires 6 from cutting through the board. In other words, the provision of the bead and the strengthening or stay strip 5, produces a marginal portion which is somewhat thickened, and, as just noted, such construction prevents the fastening elements or wire from cutting through and injuring the shingles which are held between the boards in bundle form. The present structure is advantageous over the usual wooden boards in that the latter are expensive, and, moreover, are apt to split. The present binder or board may 85 likewise be readily printed on so that one looking at the board would be informed as to the contents of the bundle, both as to color, form of shingle and quantity which the bundle contains, and like data, which is of service both to the shipper and purchaser.

90 In Fig. 4 there is shown a slightly modified construction wherein the crease or fold takes a slightly different form from that shown in the other figures. As will be seen the beaded edge, denoted by 7, projects only to one side of the main body of the board and not in both directions, as in the other form. It is to be understood that any form of indenting or creasing which will produce a bead along the edge falls within the spirit and scope of the invention, and the claims are to be construed with this in view.

105 What is claimed is.—

1. A binder board for shingle bundles and the like, formed from a heavy sheet of fiber board with two of the opposite marginal sections of the board infolded upon the body of the board thereby producing a sub- 110

stantial edge along the line of fold whereby a binding wire or the like will under normal conditions be prevented from cutting through the board.

2. As a new article of manufacture, a binder board for shingle bundles and the like, comprising a single sheet of heavy fiber board creased along two parallel lines from end to end with the face portions outside of the lines of creasing turned inwardly upon the central portion, thereby forming beaded edges along the lines of fold.

3. As a new article of manufacture, a binder board for shingle bundles and the like, comprising a single sheet of fiber board creased along two parallel lines from

end to end with the face portions outside of the lines of grooving turned inwardly upon the central portion, thereby forming beaded edges along the line of fold, said beaded edges being protected by a stay strip secured thereover.

4. A binder board for shingle bundles and the like formed of a heavy sheet of fiber board with two of the opposite marginal sections of the board infolded upon the body of the board producing a beaded edge along the line of fold, with a stay strip secured upon said beaded edge.

In testimony whereof I have signed my name to this specification.

CHARLES S. BIRD.