C. E. MARTIN.

ROOFING OR SHEETING.

APPLICATION FILED MAY 8, 1914.

1,149,204.

Patented Aug. 10, 1915.

3 SHEETS—SHEET 1.

Fig. 1.

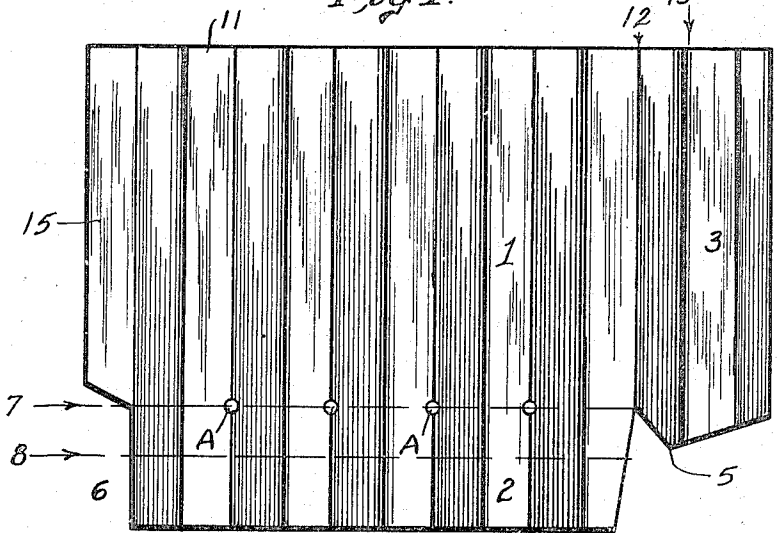


Fig. 2.

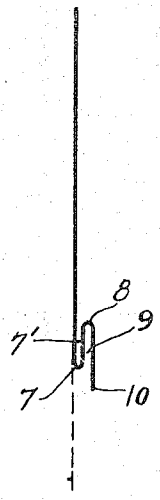


Fig. 3.

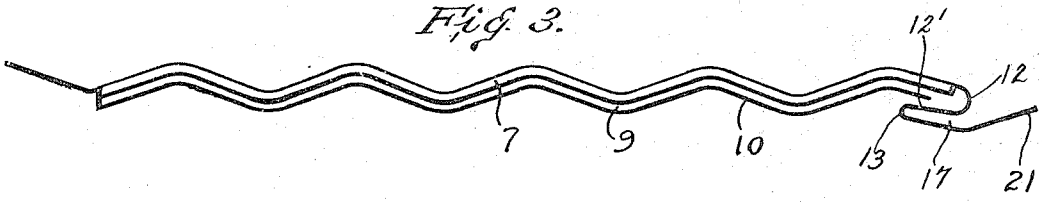
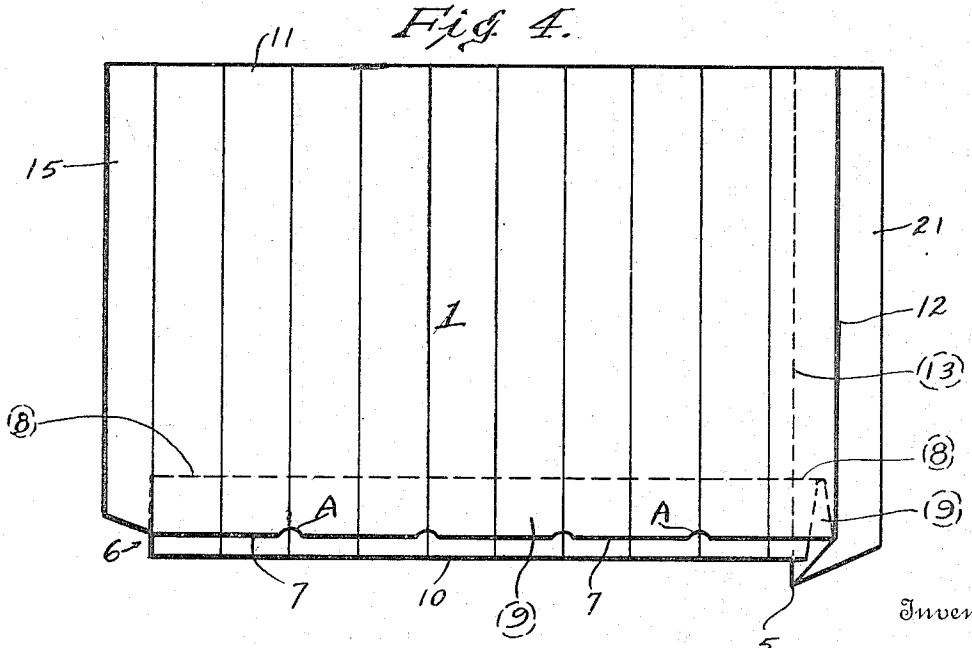


Fig. 4.



Witnesses

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3 SHEETS—SHEET 2.

Fig. 5.

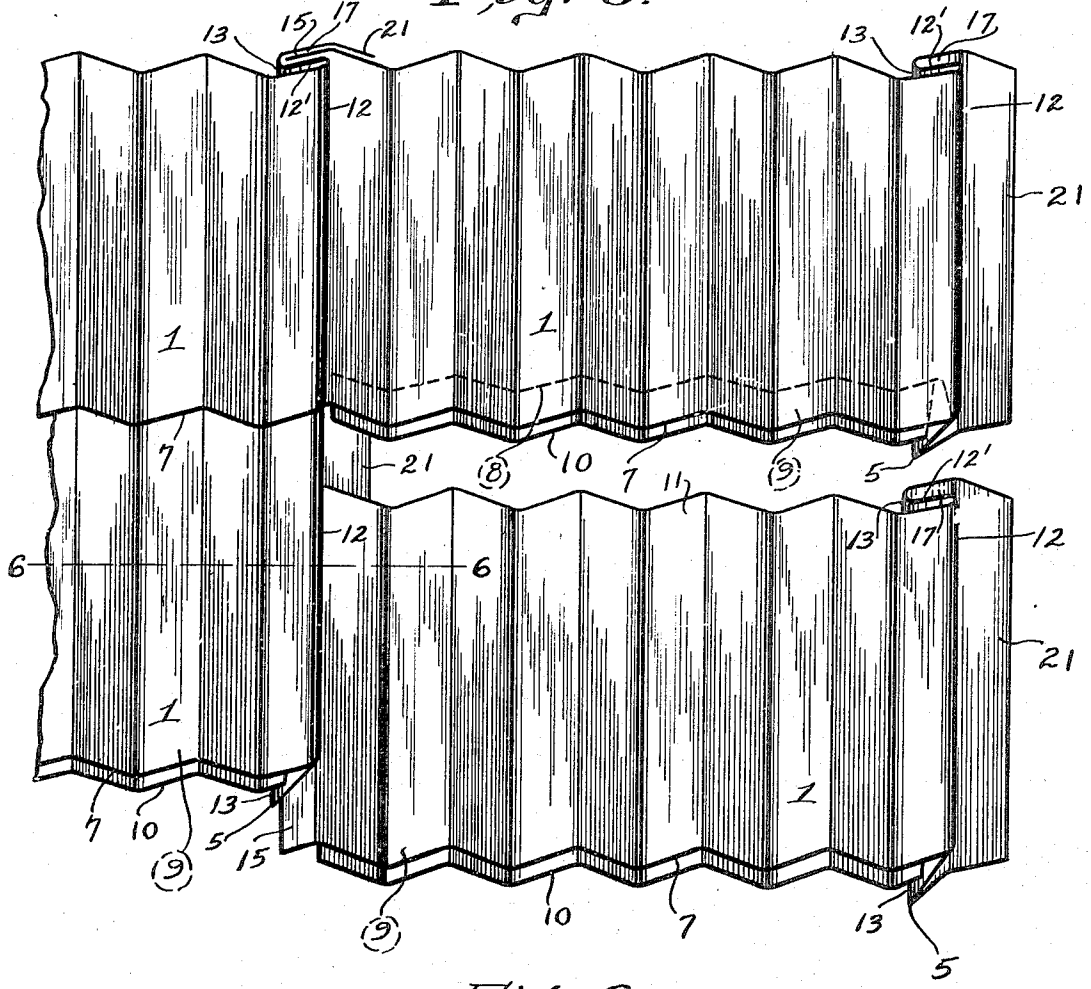
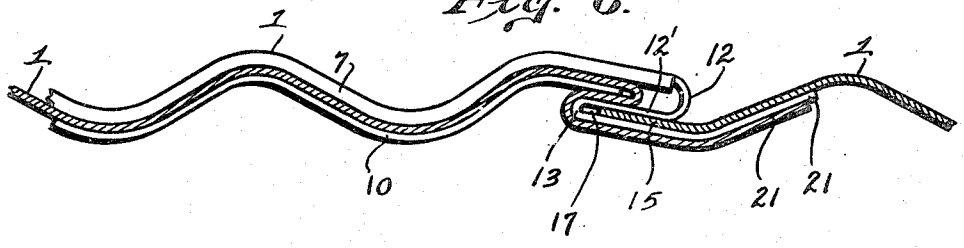


Fig. 6.



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3 SHEETS—SHEET 3.

FIG. 7.

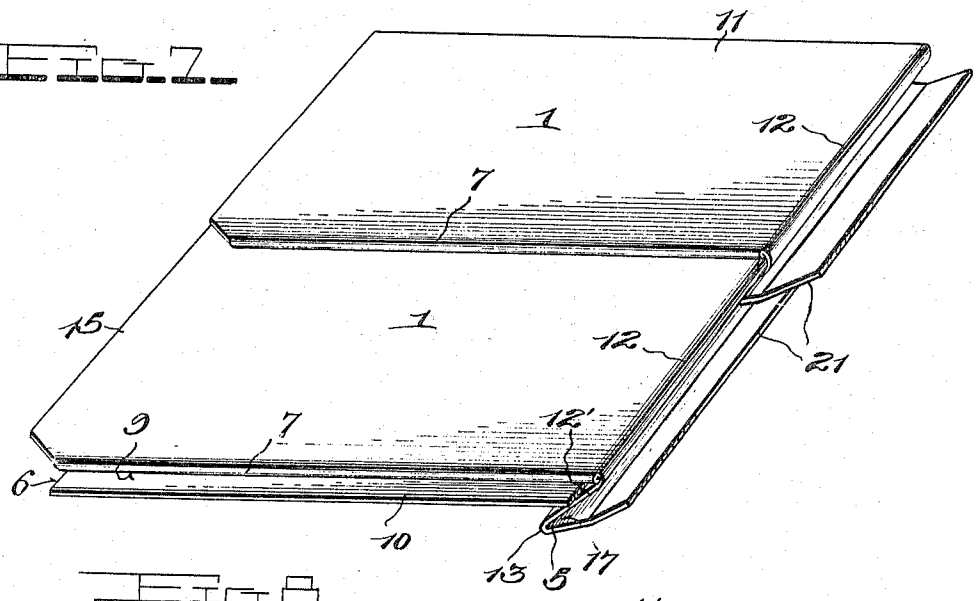
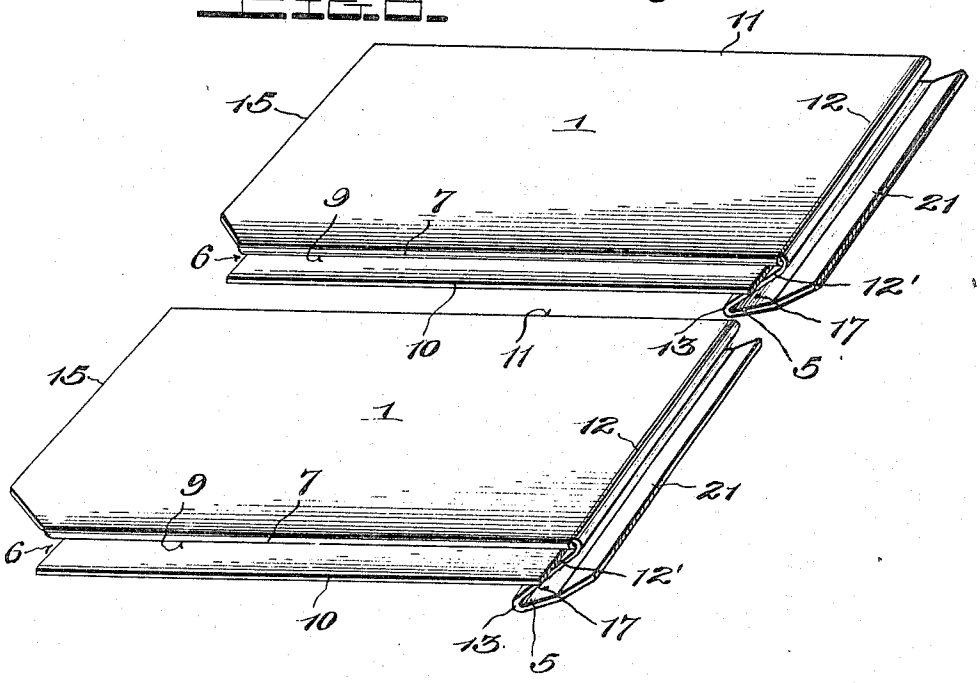


FIG. 8.



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UNITED STATES PATENT OFFICE.

CHARLES E. MARTIN, OF MANSFIELD, OHIO.

ROOFING OR SHEETING.

1,149,204. Specification of Letters Patent. Patented Aug. 10, 1915.

Application filed May 8, 1914. Serial No. 837,183.

To all whom it may concern:

Be it known that I, CHARLES E. MARTIN, a citizen of the United States of America, residing at Mansfield, in the county of Richland and State of Ohio, have invented certain new and useful Improvements in Roofing or Sheeting, of which the following is a specification.

This invention relates to certain new and useful improvements in roofing or sheeting, and the primary object thereof is to provide a sectional roof structure in which the sections can be telescoped at their adjoining ends and interlocked at their adjoining sides, which telescoping and interlocking can be easily and quickly effected and provides joints that are weatherproof and held securely related.

In the drawings: Figure 1 is a top plan view of one of the blanks prior to bending same into completed form; Fig. 2 is a side elevation of Fig. 1, the blank being bent into completed form; Fig. 3 is an end elevation of Fig. 1 after it is formed as shown in Fig. 4; Fig. 4 is a top plan view of a blank having its side and end both bent into completed form; Fig. 5 is a perspective view of a number of sections in partially connected relation; Fig. 6 is a section taken on the line 6—6 of Fig. 5; Fig. 7 is a perspective view of two uncorrugated blanks in connected position; and Fig. 8 is a perspective view of two blanks in separated relation, and in position ready for connection.

The body of one of the sections designated 1 in the drawings is formed with an extended lower side 2 integral therewith, and with an extended end 3 which is also integral with the body. The end extension 3 where same adjoins the body has a somewhat V-shaped projection 5, while the side extension 2 has a cutaway part 6 which is located at the end of body 1 opposite to the end which bears extension 3.

The extension 2 is first folded rearwardly and under on the line 7 to provide a part 7′ which is spaced from the under face of body 1, and is then bent on the line 8 forwardly of the lower end of the body 1 and beyond said lower end at 10 to form a space or pocket 9. The forwardly projecting part 10 provides a ledge or guide which assists in forming the connections between the sections when same are being related. The side 11, of the next adjacent section is snugly received in the space 9 so as to be effectively connected to the adjoining section.

The ends of the sections are connected or interlocked by bending the end extensions 3 inwardly on line 12 and under the bodies 1 as at 12′ and thence outwardly on line 13 to provide a space or pocket 17, into which the adjacent portion 15 of the adjoining section projects. The end extensions 3 have free portions 21, which project beyond the line of fold indicated at 12.

In connecting the sections, the plain side 11 of one section is first inserted in the recess or space 9 of the next adjacent section, the free side portion of the part 10, engaging the under face of the plain side 11 while the part 7′ engages on the upper face of said side 11. Since, as shown in Fig. 7, the part 12′ extends beneath the adjacent end of the ledge 10, the latter will be assisted in being held in close engagement with the plain side 11. The end parts 12′ engage one over the other, and the free portions 21 correspondingly seat one on top of the other at their adjacent interengaging portions as clearly shown in Fig. 7, in which position of the parts, same are held locked and are provided with weatherproof joints.

The plain or free ends 15 of the sections seat on the upper faces of the parts 21, abut the line of fold 13, and are engaged on their upper faces by the parts 12′, the adjacent ends of the parts 21 being engaged on their under faces by the parts 7′, whereby strong and effective joints are formed between the parts.

As shown in Figs. 1 to 6, inclusive, the sections are corrugated, or, as shown in Figs. 7 and 8, the sections may be made plain. When the sections are corrugated, apertures A are formed in the same, as indicated in Fig. 1, to prevent buckling of the parts when the fold on line 7 is made.

What is claimed is:

1. A roofing composed of sections each of which has a side extension folded under and then outwardly to provide an outwardly opening pocket for receiving therein the adjacent edge of the adjoining roofing section and also having one end of the folded side extension forming a tongue portion, the first roofing section also having an end extension folded under and supporting the outward fold of the side extension to assist in securing the received edge of the adjoining section within the provided pocket,

which is guarded to engage therewith by the tongue portion, the aforesaid end extension also being folded outwardly to provide an outwardly opening pocket adapted to receive the abutting edge of an adjacent roofing section.

2. A roofing composed of sections each of which has a side extension folded under and then outwardly to provide an outwardly opening pocket for receiving therein the adjacent edge of the adjoining roofing section, the first roofing section also having an end extension folded under and forming a support for the outward fold of the side extension aforesaid, the end extension being folded outwardly to provide an outwardly opening end pocket and also having a V-shaped projection extending inwardly beneath the side pocket aforesaid and adapted to engage in the end pocket of the aforesaid adjoining roofing section, the end pocket of one section thereby being substantially in alinement with and constituting a continuation of the end pocket of the adjoining section, each end pocket being adapted to receive the abutting edge portion of an adjoining section beneath the side pocket of the section.

3. A roofing section composed of bendable sheeting and comprising an outwardly opening side pocket, said bendable sheeting having a tongue portion, and an outwardly opening end pocket projecting beneath having an extending ledge portion and forming a support for the side pocket.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES E. MARTIN.

Witnesses:
JOHN H. COSS,
LELA RITCHIE.