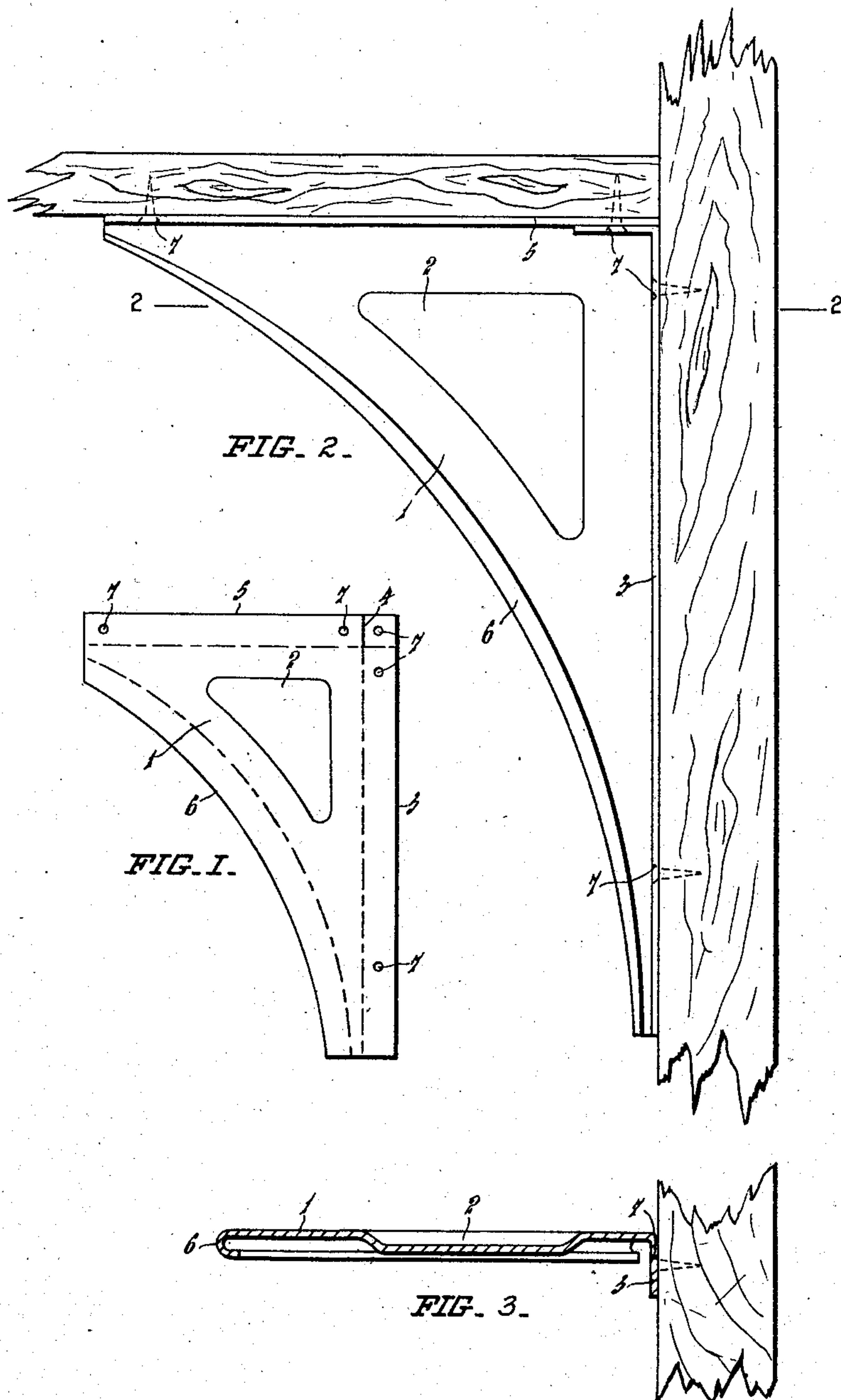


L. LILLEY.
ANGLE BRACKET.
APPLICATION FILED DEC. 27, 1909.

973,674.

Patented Oct. 25, 1910.



Witnesses:

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UNITED STATES PATENT OFFICE.

LIAL LILLEY, OF STRATFORD, NEW ZEALAND.

ANGLE-BRACKET.

973,674.

Specification of Letters Patent.

Patented Oct. 25, 1910.

Application filed December 27, 1909. Serial No. 535,145.

To all whom it may concern:

Be it known that I, LIAL LILLEY, a citizen of the Dominion of New Zealand, and residing at Juliet street, Stratford, in the Provincial District of Taranaki, in the Dominion of New Zealand, have invented certain new and useful Improvements in Angle-Brackets, of which the following is a specification.

10 The invention relates to angle brackets such as are used for supporting shelves and the like.

According to my invention the bracket is made in a single piece from thin sheet metal shaped and molded in special manner to provide the greatest strength for minimum weight.

Referring to the accompanying drawing:—Figure 1, is a plan of a sheet metal blank, Fig. 2, a side elevation, and Fig. 3, a sectional plan of the finished bracket on the line 2—2 of Fig. 2.

25 A piece of thin sheet metal shaped as shown in Fig. 1 is molded in a press to produce a web portion 1 in which is a recess or corrugation 2 for stiffening purposes.

30 The vertical flange 3 is produced by bending the metal at right angles to the web and at the upper end the metal is cut along the line 4 (see Fig. 1) dividing the flange from the web and this upper portion is bent at right angles beneath the end of the horizontal flange 5 which is produced by bending the metal over at right angles from the web in the same direction as the vertical flange.

The edge 6 of the web portion is turned over in a curved bead as shown clearly in Fig. 3. The result of this bending and shaping is to produce an extremely cheap bracket of neat appearance, light in weight and exceedingly strong.

Screw holes 7 are formed in as many places as desired.

What I do claim and desire to secure by Letters Patent of the United States is:— 45

1. An angle bracket constructed of a single piece of sheet metal shaped and molded to form a web portion, integral, vertical and horizontal flanges, and an edge of said web portion turned over to produce a bead, substantially as herein specified. 50

2. An angle bracket constructed of a single piece of sheet metal shaped and molded to form a web portion having a stiffening recess therein, integral, vertical and horizontal flanges, the upper part of the vertical flange bent at right angles beneath said horizontal flange, and an edge of said web portion turned over to produce a bead, substantially as herein specified. 60

In testimony whereof I have signed my name to this specification in the presence of two witnesses.

LIAL LILLEY.

Witnesses:

JOHN DUGALD MORISON,

EDWARD FREDRIC HENRY HEMINGWAY.