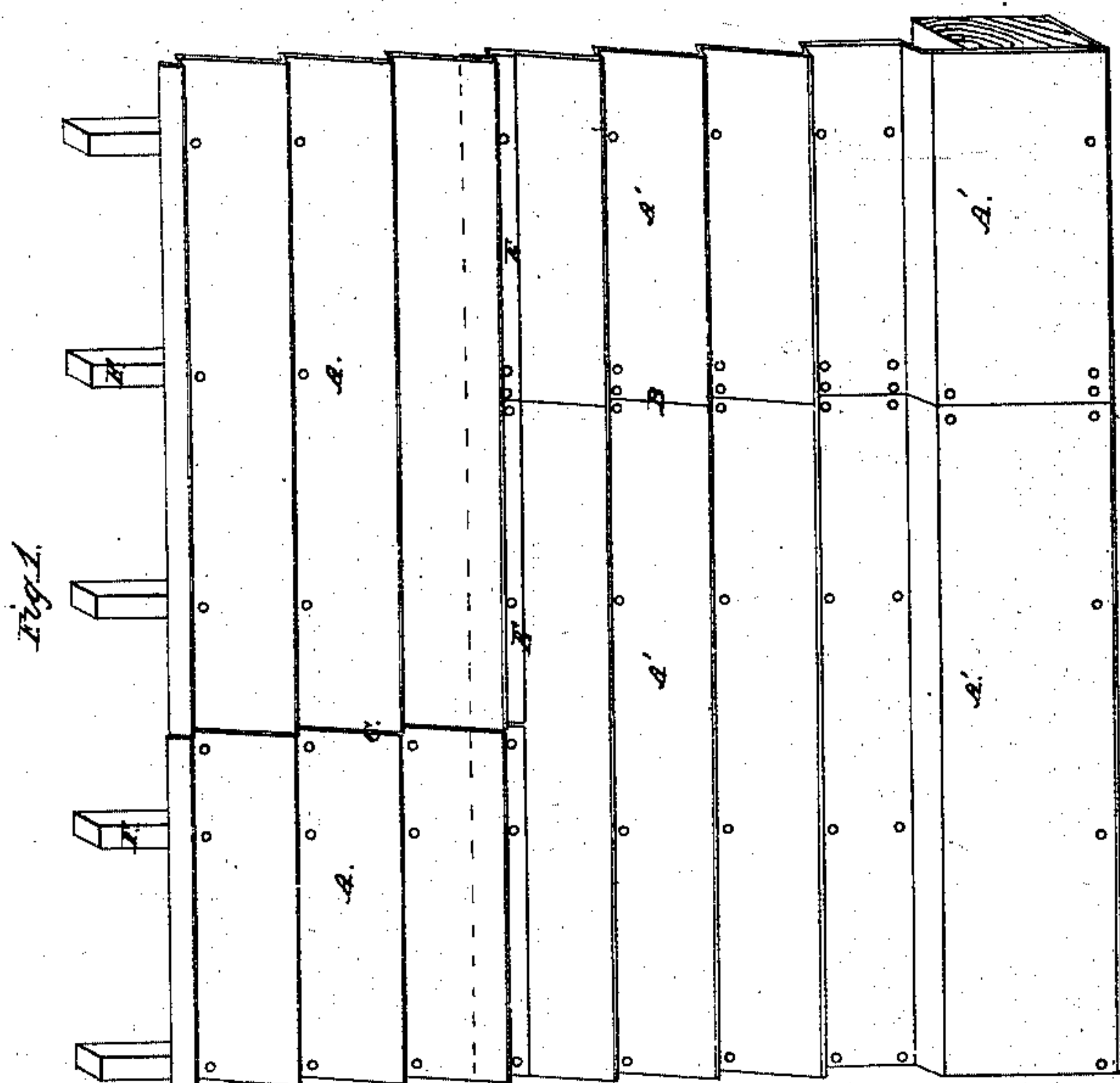
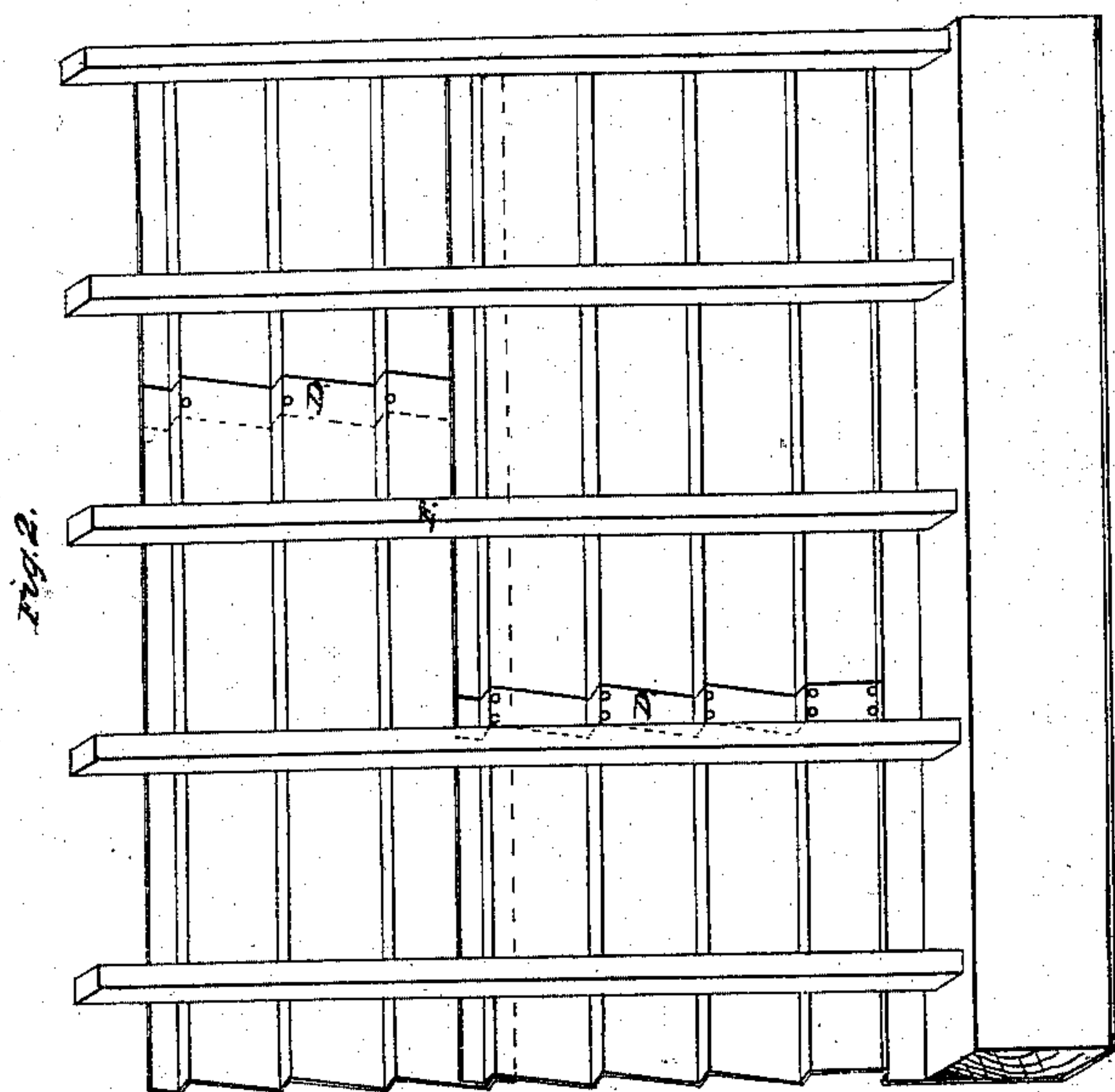


S. J. Seely.

Constructing Frame Houses.

N^o 59,928.

Patented Nov. 20, 1866.



Witnesses:
J. S. Repton
Thos. Lang

Inventor:
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attys

United States Patent Office.

IMPROVEMENT IN ROOFING AND CLAPBOARDING.

SAMUEL J. SEELY, OF NEW YORK.

Letters Patent No. 59,928, dated November 20, 1866.

SPECIFICATION.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, SAMUEL J. SEELY, of the city, county, and State of New York, have invented a new and useful Improvement in Metallic Siding and Roofing for Buildings; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings making a part of this specification, in which—

Figure 1 represents in perspective an outside view of my invention applied as a side wall for a building, and Figure 2 represents in perspective an inside view of the same.

My invention has relation to the construction of the outer covering of buildings, of sheets of metal in the form of clapboards, properly secured to the framing; and my invention consists in covering the sides, fronts, or roofs of buildings with sheet-iron plates bent into the form of weather-boarding, united by matched or lapped joints, and fastened to studding, framing, or rafters, at proper intervals.

Sheets of metal, A A', of the desired thickness, are bent angularly, at any determined width, to represent clapboards, as shown in fig. 1, with such uniformity as that the angular bends will register truly; and the sheets may be of any size desired. I unite these sheets one to another lengthwise by a matched joint, B, in which the ends of the adjoining sheets meet and are secured by a strap, D, on their back, to which they are rivetted through their adjoining edges; or these edges may be united by a lap-joint, C, having rivets through the lapped portions of the sheet. To unite the angularly-bent sheets as they are placed one above the other, I lap one over the other, as at E, and rivet the lapped edges together, and then secure the whole to the studding, F, by any suitable fastening, letting the bottom sheet, A', cover the sill or plate that supports the studding.

It is obvious that sheet metal of this form may be adapted to any openings in the wall or roof of the building to which they are applied, and that the form of the bends renders this metal covering equally useful for roofs as for the sides of buildings; and that the form of my metal covering may be advantageously used for other analogous purposes. My metal clapboarding will perfectly accommodate vertical contraction and expansion; will form a fire-proof protection to the timber portion of the frame; will secure the utmost strength consistent with the materials employed; will leave free air spaces between the inner and outer walls, or admit of filling in; will receive and hold paint better and smoother than wood; will present a neater appearance than wooden clapboarding; will not be subject to shrinkage, decay, or cracks; will be extremely durable; will diminish insurance; and will constitute the most economical metal-covered building known; besides all which, when used as roofing my metal surface will bear a greater weight than wooden or slate roofs, and receive no injury from being walked upon or over. It is obvious that the width of the bends may be greatly varied without departing from the spirit of my invention.

What I claim as my invention, and desire to secure by Letters Patent, is—

The sheet-metal clapboarding, bent and united substantially in the manner described, for covering the walls or roofs of buildings, and for other analogous purposes.

In testimony whereof I have hereunto subscribed my name.

SAM'L J. SEELY.

Witnesses:

D. B. DUDLEY,
JAMES T. LEETE.