

J. Cook.

Metallic Roofing.

N^o 14, 185.

Patented Feb. 5, 1856.

Fig 2.

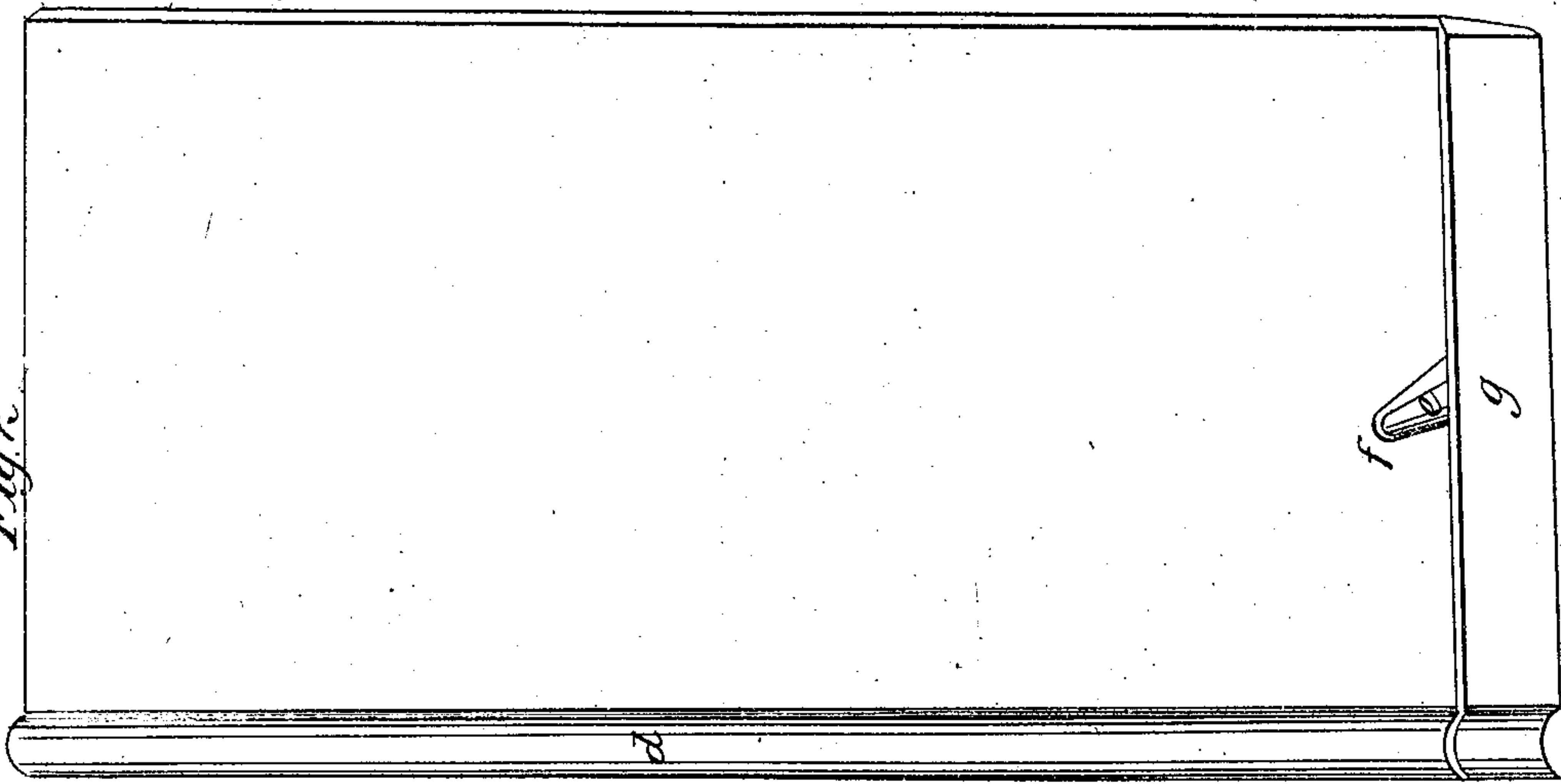
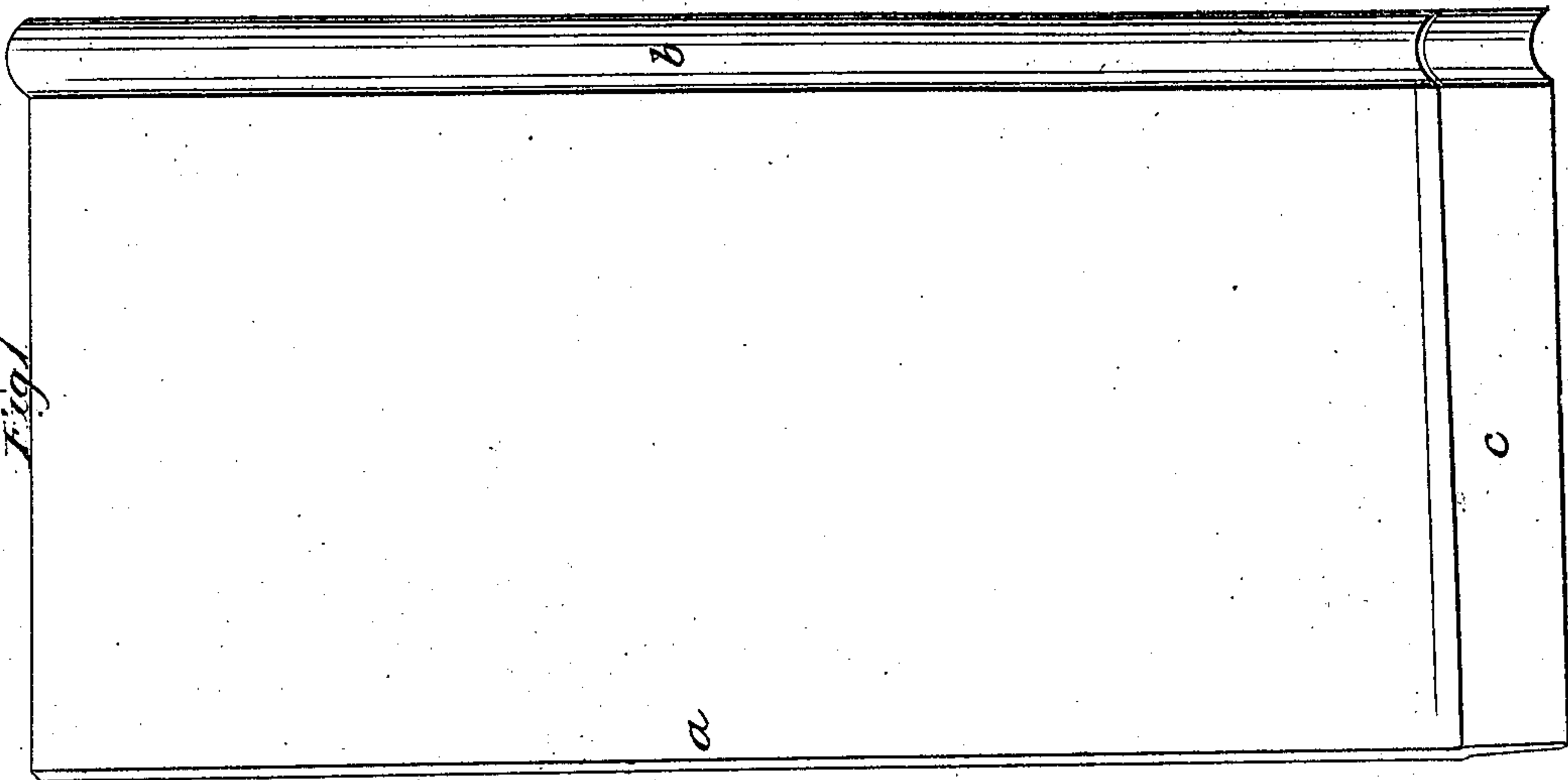


Fig 1.



UNITED STATES PATENT OFFICE.

JNO. COOK, OF WESTMORELAND, NEW YORK.

LUG FOR CAST-IRON SHINGLES.

Specification of Letters Patent No. 14,185, dated February 5, 1856.

To all whom it may concern:

Be it known that I, JOHN COOK, of Westmoreland, Oneida county, State of New York, have invented a new and useful Improvement in Cast-Iron Shingles; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

In the drawing, Figure 1, is a top view. Fig. 2 is a view of the bottom.

To enable others skilled in the art to make and use my invention I will describe its construction and operation.

I construct it of iron and cast it in the proper form herein described. Fig. 1 is a top view of the shingle; *a*, the rib; *b*, the half round flange; *c*, the elevation or lap at the bottom, for running over the bottom shingle; Fig. 2, *d*, the under side of the half round flange; *e*, the projection for fastening the shingle to the rib; *f* the hole in the projection *e*; *g*, the elevation of one half the thickness of the shingle for lapping over the lower shingle.

In the operation of my invention, I place the ribs of the roof at regular distances to suit the length of my shingle. Then commence by placing a shingle on the rib. On the first rib the projection *e* may be above or below it as is most convenient, to suit the distance the shingle is to project over the eaves. The shingle is then firmly fastened with a nail or screw through the hole *f*, in

projection *e*. I then proceed in the same way until, (having the projection fastened to the rib in the manner described) the roof is finished. My last row of shingles I cast with the half round flange on both sides to give a finish to the roof. By the projection *e*, for fastening the shingle I avoid the use of a nail hole through the shingle, and the possibility of oxidation by means of the water passing in thereat. The enlarged size of my half round flange allows for the contraction and expansion; also I have a shingle so light that the expense and weight of a roof will hardly exceed a wooden one.

Having thus fully described my invention I do not pretend to have invented cast iron shingles, or giving them any particular form, or external shape, nor do I claim constructing them with the rib *a*, or the half round flange *b*, or the lap *c*, or the elevation *g*, as all these contrivances have been heretofore in use; but

What I claim as new and useful and desire to secure by Letters Patent is:

The projection *e*, with the nail hole *f* on the underside of the shingle, for fastening the same to the rib, either on its upper or lower edge at choice and for securing the nail from the wet thereby preventing it from rusting and becoming loose.

JOHN COOK.

Witnesses:

T. G. CLAYTON,
J. C. CLAYTON.