

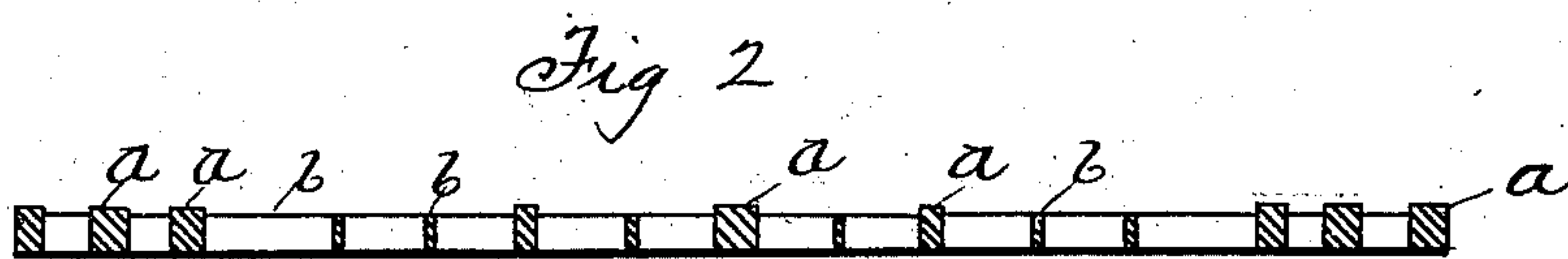
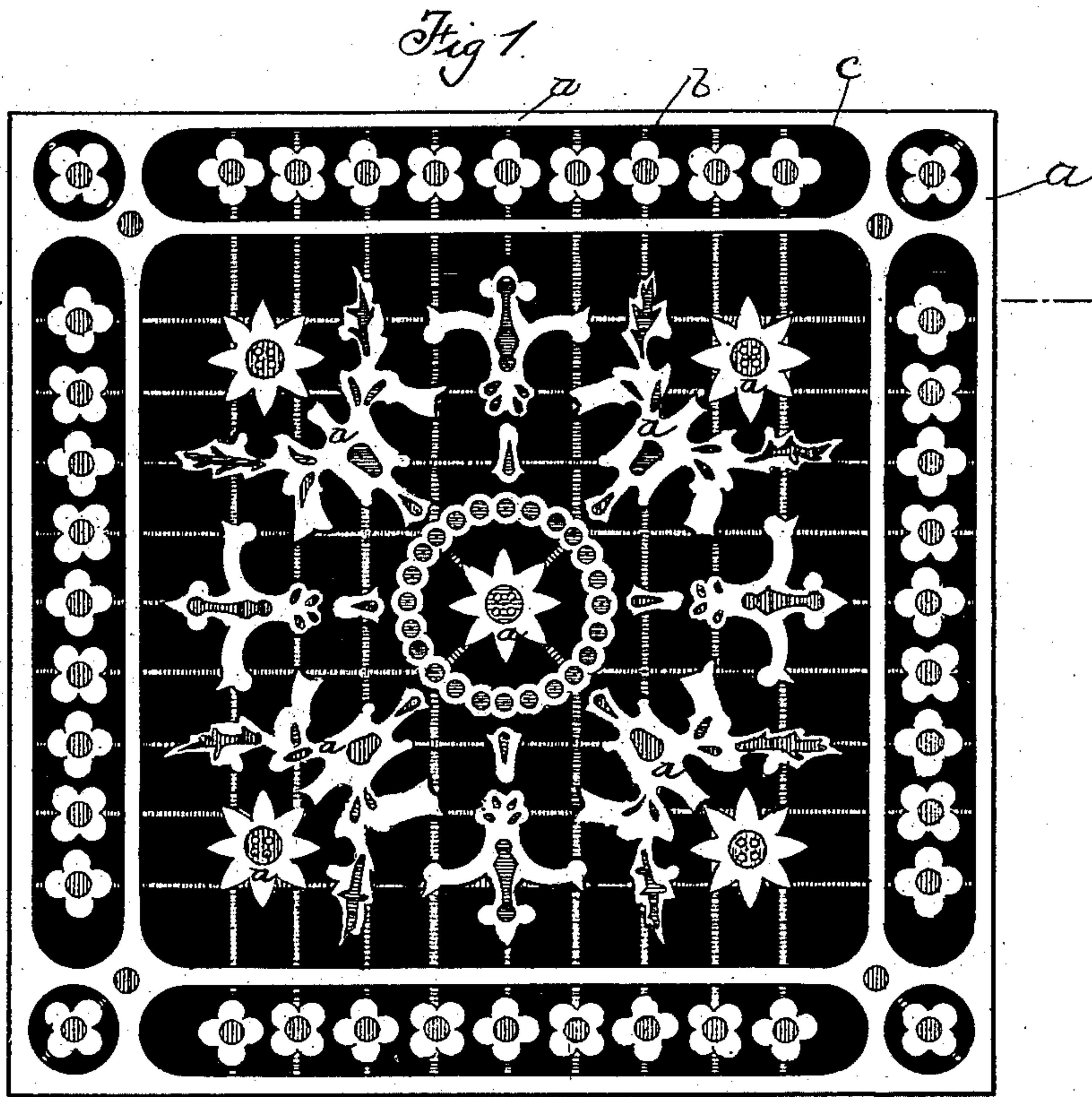
(Model.)

S. TUTTLE, Jr.

REGISTER FRONT.

No. 311,154.

Patented Jan. 20, 1885.



WITNESSES.

*W. J. Morgan*  
*Benj. B. Sparr*

INVENTOR.

*Silas Tuttle, Jr.*  
*By A. P. Thayer*  
*att'y*

# UNITED STATES PATENT OFFICE.

SILAS TUTTLE, JR., OF BROOKLYN, NEW YORK.

## REGISTER-FRONT.

SPECIFICATION forming part of Letters Patent No. 311,154, dated January 20, 1885.

Application filed April 3, 1884. (Model.)

*To all whom it may concern:*

Be it known that I, SILAS TUTTLE, Jr., a citizen of the United States, residing at Brooklyn, in the county of Kings, New York, have  
5 invented new and useful Improvements in Hot-Air Register-Fronts, of which the following is a specification.

My invention consists of a new and improved construction of ornamental register-  
10 fronts, in a contrivance of the open fret-work in two conspicuously-different elements, adapted to bring out in bolder and more brilliant relief the ornamental figures, the said two elements being the portion of the fret-work com-  
15 prising the ornamental figures set in conspicuous relief on a subordinated frame-work of the same material, to connect and give the required strength to the more conspicuous ornamental portion.

20 Registers when set in the openings to the flues for heating or ventilating rooms present a dark or obscure background, which I find can be utilized by the improved construction which I propose to produce, and give the most  
25 beautiful effects possible to the ornamental front, as hereinafter fully described, reference being made to the accompanying drawings, which represent a front elevation of a register-front constructed according to my invention  
30 in Figure 1, and a transverse section of the same in Fig. 2.

I make the front of one part, *a*, which consists of an ornamental design, in relief, and  
35 another part, *b*, which consists of a depressed frame-work or net-work, of bars, *b*, upon which the first part is supported. The whole may

be cast together integral one part with the other; or the part in relief may be made separately and planted upon and attached to the frame-work when the two parts are required  
40 to be of different metals. The part in relief having its surface raised above the other is polished or otherwise brilliantly finished, and the frame-work *b* is left untouched, the surface being mottled or granulated or dark-  
45 ened, if needed.

When the register thus constructed is placed in the wall, the obscure background *c* and the illuminated or polished ornaments in relief  
50 produce in effect when placed in certain angles of reflected light a brilliant glistening design appearing to be suspended in the opening, the dead work being entirely obscured. The part *a* of the front may project more or  
55 less beyond the part *b*, according to circumstances; but a distance about equal to the width of part *b* is a good proportion.

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

A register-front of fret-work, constructed  
60 with an ornamental design in relief on a subordinated dead-finished or equivalent depressed frame-work supporting the same, substantially as described.

In witness whereof I have hereunto signed  
65 my name in the presence of two subscribing witnesses.

SILAS TUTTLE, JR.

Witnesses:

THOMAS S. HICKEY,  
ARTHUR C. TUTTLE.