

(No Model.)

A. WANNER, Jr.
METAL FRAME AND STOCK THEREFOR.

No. 539,318.

Patented May 14, 1895.

Fig. 1,

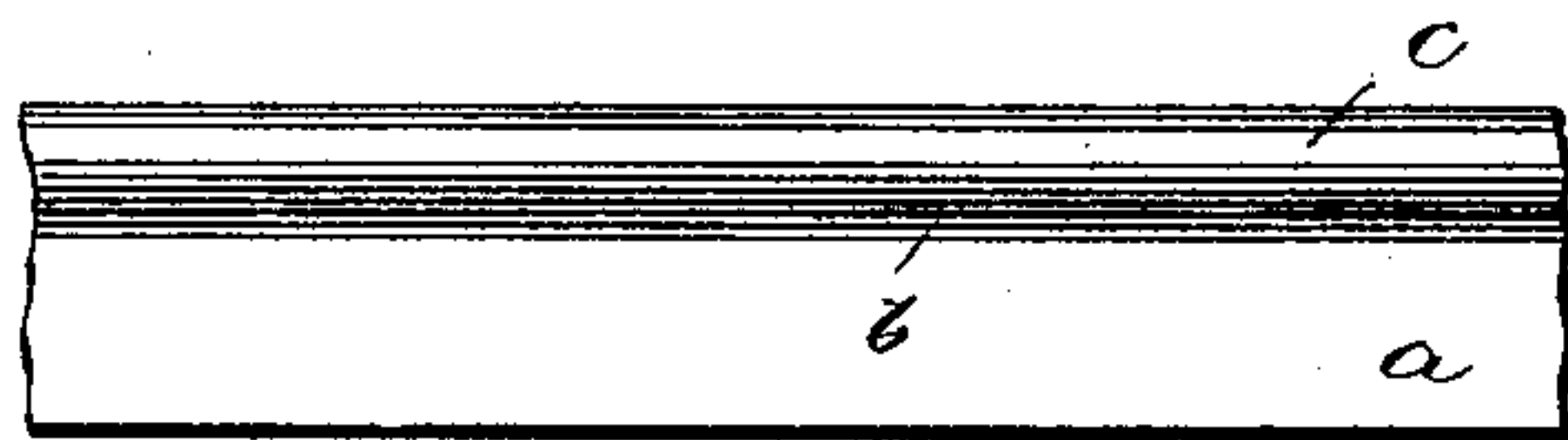


Fig. 2,



Fig. 3,

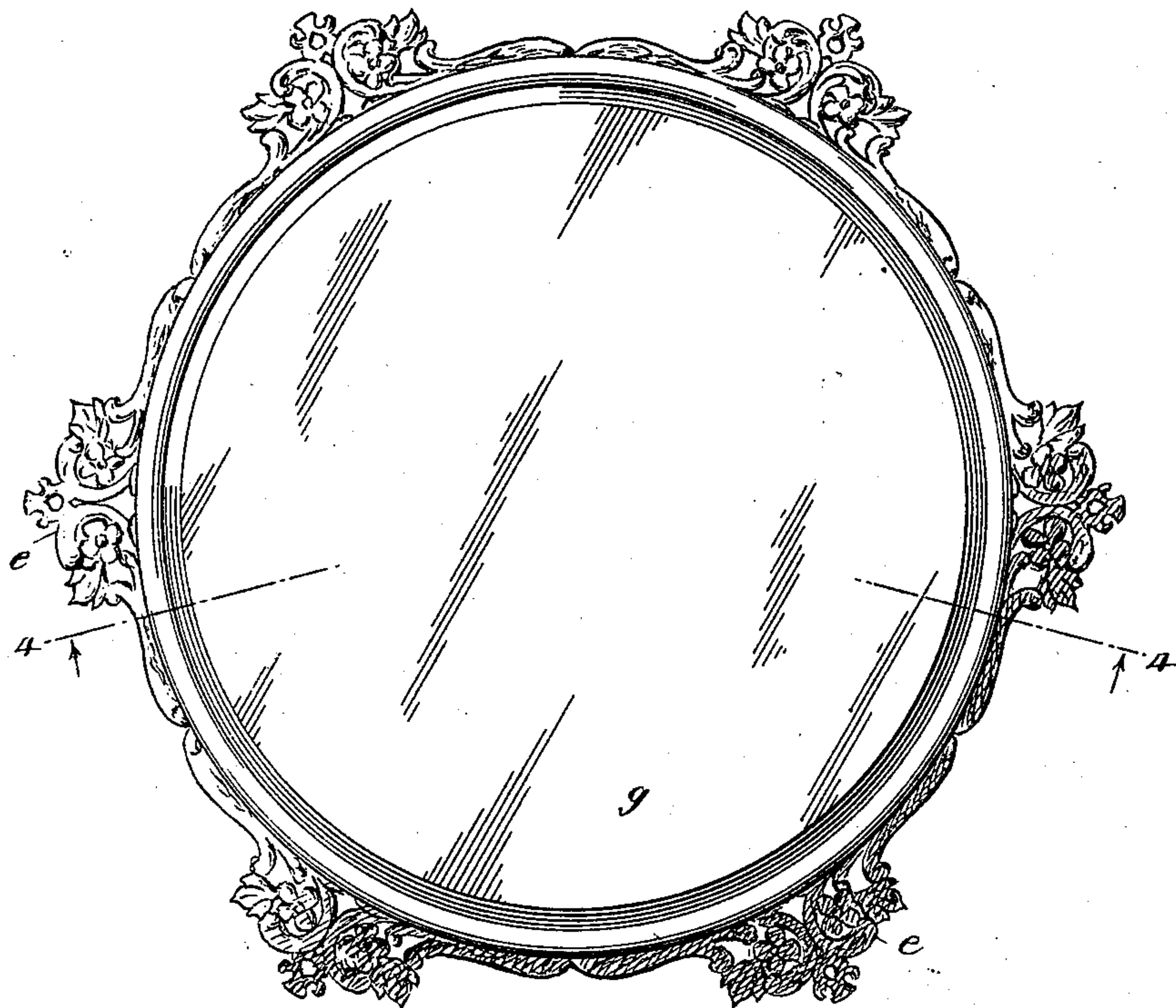
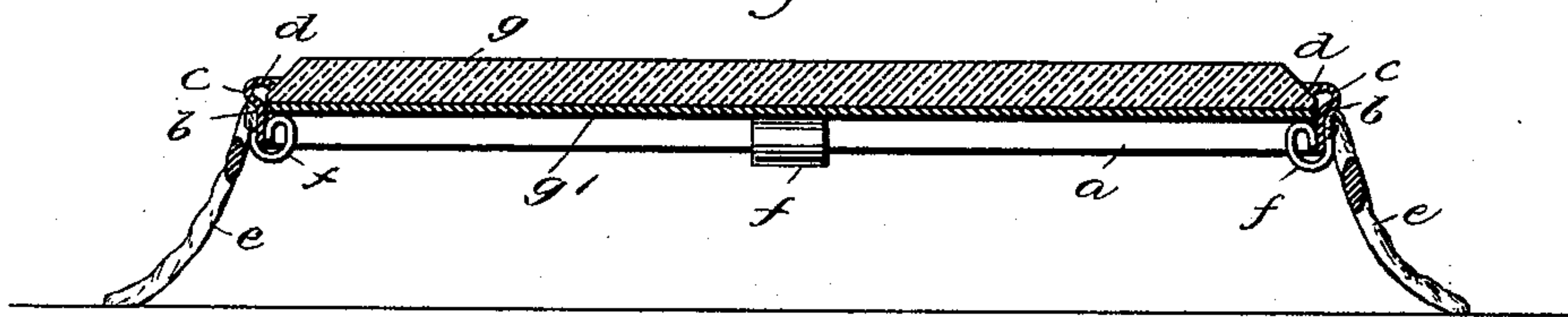


Fig. 4.



WITNESSES:

Edward Thorpe
J. L. W. Muliff

INVENTOR

A. Wanner Jr.
BY Munn & Co

ATTORNEYS:

UNITED STATES PATENT OFFICE.

ALBERT WANNER, JR., OF HOBOKEN, NEW JERSEY.

METAL FRAME AND STOCK THEREFOR.

SPECIFICATION forming part of Letters Patent No. 539,318, dated May 14, 1895.

Application filed February 25, 1895. Serial No. 539,664. (No model.)

To all whom it may concern:

Be it known that I, ALBERT WANNER, Jr., of Hoboken, in the county of Hudson and State of New Jersey, have invented new and useful
5 Improvements in Metal Frames and Stocks Therefor, of which the following is a full, clear, and exact description.

The invention relates to the manufacture of metal frames, especially frames for mirrors, stands or plateaux for vases and the like, and for pictures, and the object of the invention is to produce a stock or material that may be bent into the form of a frame without buckling or bending irregularly, and
15 further, to produce cheap and ornamental frames of the general character mentioned.

The invention consists in the novel features hereinafter particularly described and defined in the claims.

20 Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a broken side elevation showing
25 a piece of my improved stock or material for the manufacture of frames. Fig. 2 shows a cross-section of such stock. Fig. 3 is a plan view of a stand or plateau framed in accordance with my invention, and Fig. 4 is a vertical section thereof on the line 4 4 in Fig. 3.

In practice my improved stock is made up in convenient lengths, and it consists of a strip *a* of flexible sheet metal which is shaped at one edge to give it in cross section a concavo-convex conformation, it being understood that the lines may not be true curves. The concavo-convex formation is so produced that it first departs laterally at one side of the flat body *a* to form a rounding shoulder
40 or overhang *b*, and is then returned on itself on rounding lines, as at *c*, the free edge *d* forming a shoulder or overhang disposed in the opposite direction, as will appear from Fig. 2.

45 Usually I form circular frames from this stock, as illustrated in Figs. 3 and 4, and in the bending of the stock to curved shape, the concavo-convex edge supplies the necessary fullness of material to compensate for and
50 yield to the changing form of the strip, and thereby avoids irregular bending or kinking, whereby a frame is readily formed without

irregularities. When shaped the frame receives legs *e*, which are secured to the exterior of the band *a* and the points of connection are covered by the outer overhang or
55 shoulder *b*. Also there are secured exteriorly on the strip *a* a series of retainers *f*, which are bent inward and shaped so as to afford a proper contact with the mirror or its equivalent *g*, or the backing *g'* thereof, and the points
60 of connection of the retainers with the strip *a* are also overhung by the outer shoulder *b*.

It will be seen by reference to Figs. 2 and 4, that the loop formed by bending one edge of
65 the strip is an open semicircular loop, the space between the inner shoulder *d* and the body *a* of the strip receiving the edge of the mirror *g*, and the shoulder *d* terminating above the bend *b* so as to form a stop engaging
70 the said mirror at a point inward from its edge, as appears clearly in Fig. 4.

Having thus fully described my invention, I claim as new and desire to secure by Letters
75 Patent.

1. The herein-described stock for the manufacture of frames and the like, the same consisting of a flexible narrow strip having at one edge a lateral bend forming a shoulder, and beyond said bend a second lateral bend
80 in the reverse direction to the first-named bend, the free edge terminating above the first-named bend and being spaced from the body of the strip, forming an open, semicircular loop and providing a shoulder in a higher
85 plane than the first-named shoulder and at the opposite side of the body, substantially as described.

2. As a new article of manufacture, a metallic frame, comprising a bent strip having
90 along one edge an outward and an inward bend, substantially as described.

3. As a new article of manufacture, a metallic frame, comprising a bent strip having
95 along one edge an outward and an inward bend, overhanging the body of the strip, and legs secured exteriorly on the strip, the points of connection of the strip being overhung by the outward bend, substantially as described.

ALBERT WANNER, JR.

Witnesses:

JNO. M. RITTER,
F. W. HANAFORD.