

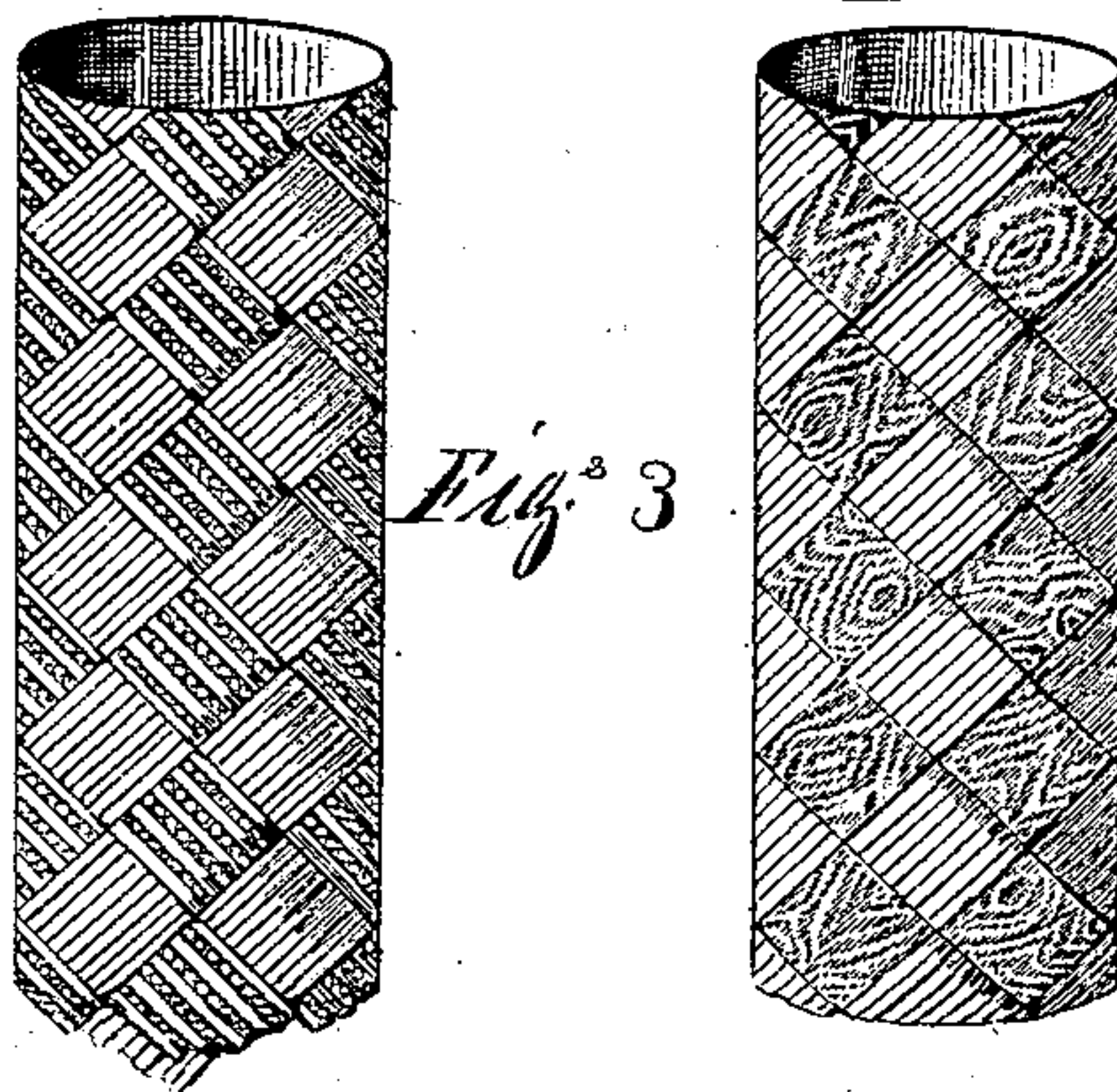
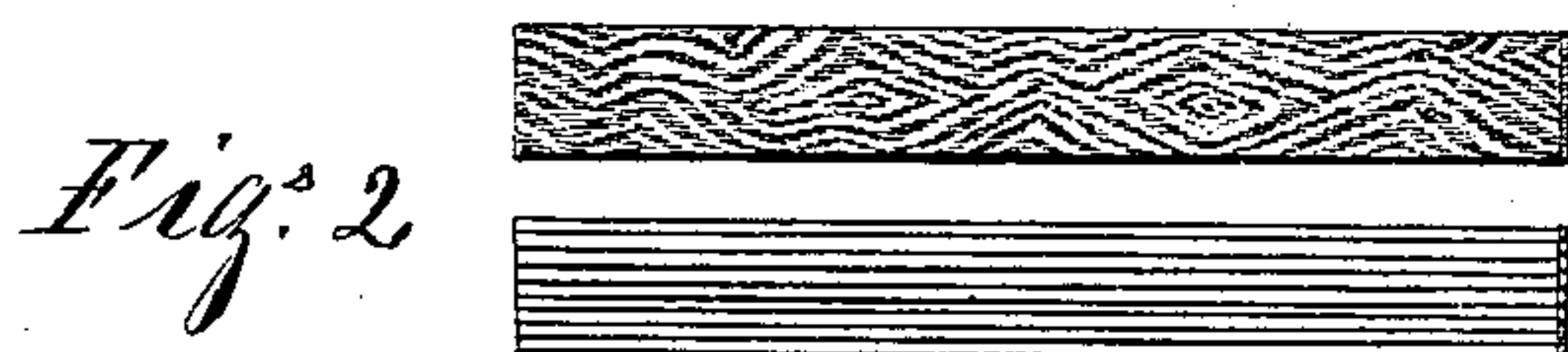
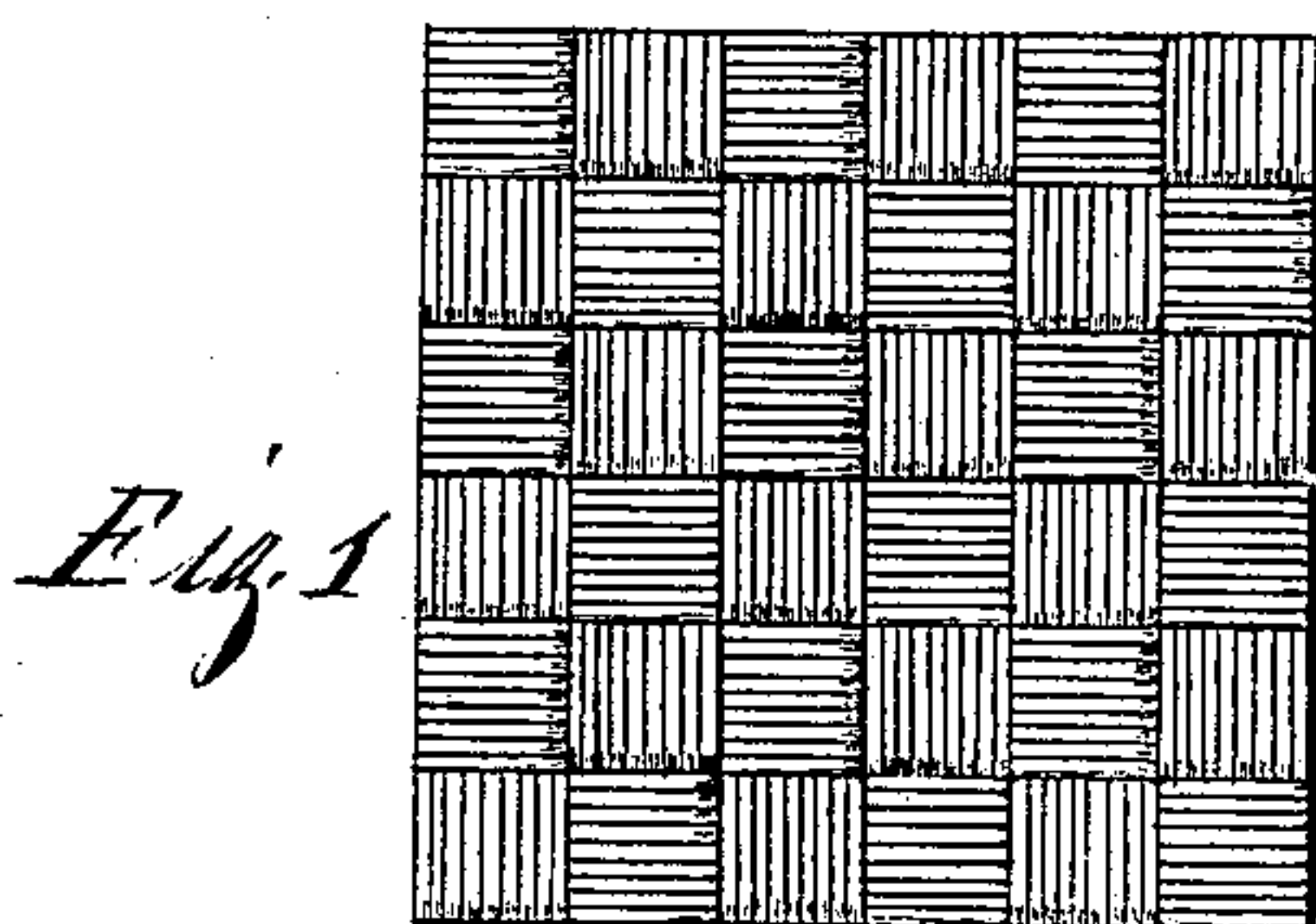
(No Model.)

A. S. CRANE.

JEWELER'S BRAIDED METALLIC STOCK.

No. 253,587.

Patented Feb. 14, 1882.



Witnesses
Geo. B. Adams.
J. R. Steadman,

Inventor
Augustus S. Crane
By Horace Harris
att'y

UNITED STATES PATENT OFFICE.

AUGUSTUS S. CRANE, OF NEWARK, NEW JERSEY.

JEWELER'S BRAIDED METALLIC STOCK.

SPECIFICATION forming part of Letters Patent No. 253,587, dated February 14, 1882.

Application filed July 19, 1881. (No specimens.)

To all whom it may concern:

Be it known that I, AUGUSTUS S. CRANE, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful
5 Improvement in the Manufacture of Metallic Braided Stock, of which the following is a specification.

My invention relates to the manufacture of rigid metallic braided stock, to be used by jewelers and other manufacturers of ornamental work, and is designed as an improvement on the invention set forth in my Patent No. 240,096, of April 12, 1881; and it consists in making rigid instead of elastic stock, in having a greater variety of patterns and work in addition to the ribbed strips set forth in the former patent, and also in the process of construction, as herein set forth.

In the former invention the strips were not forced up closely, making tight joints, and because of that the material might be worked up into elastic goods like the snake-bracelet. In my improvement the strips are forced up together in braiding, making tight joints, and the stock becomes nearly as fixed as solid sheet metal. In the former I confined my claim to the ribbed strips, while in this I claim any desirable ornamentation on the face of the strips, as seen in variety in the drawings herewith furnished, and also in the material used, giving a pleasant variety in colors, shades, &c., as I may use gold in any color, silver, platinum, &c., combining them for pleasant effect.

Figure 1 shows a flat sample of this braided stock. Fig. 2 shows strips to be braided, having different patterns. Fig. 3 shows cylinders in different patterns. 35

In the manufacture of my rigid metallic stock I take any even number of strands or strips, and, having secured them to the top of a mandrel, I proceed to lay them one over the other until one course around is made. I then bring to bear a certain upward force upon the strands, compelling them to lie close together, and at the same time I bind them by a direct external pressure firmly to the mandrel. The braiding performed under this twofold pressure makes a class of rigid stock nearly equal to solid metal and adapted to a great variety of uses, either flat or cylindrical, making pencil-cases, cups, vases, bottles, umbrella-handles, match-boxes, &c. 40 45 50

I claim—

1. The process of manufacturing rigid metallic braided stock, consisting in binding the strands to a mandrel, and in applying, while braiding, an upward and circumferential pressure, substantially as and for the purpose specified. 55

2. The rigid metallic braided stock, when constructed substantially as set forth. 60

AUGUSTUS S. CRANE.

Witnesses:

HORACE HARRIS,
GEO. B. ADAMS.