

(No Model.)

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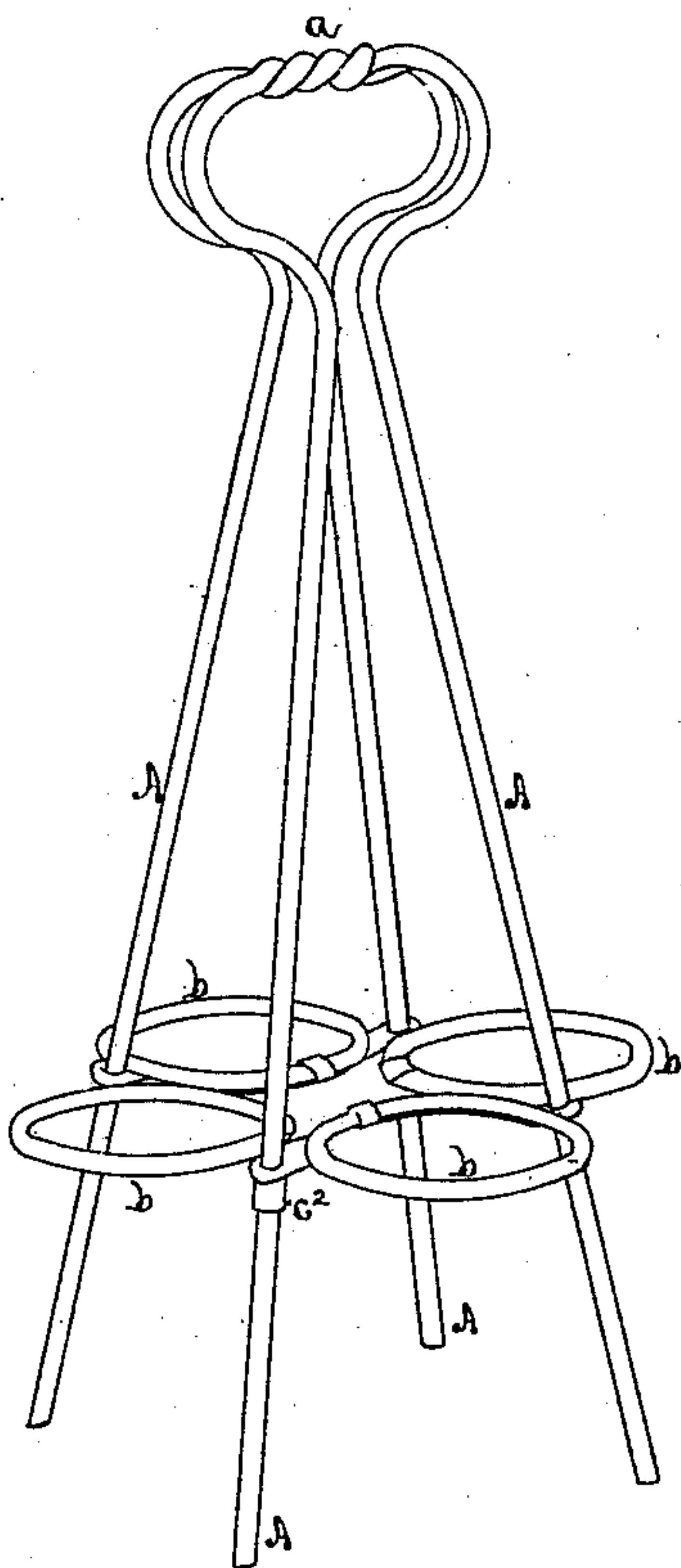
D. SHERWOOD & G. D. DUDLEY.

WIRE TABLE CASTER.

No. 299,688.

Patented June 3, 1884.

Fig. 1



Witnesses

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Inventor

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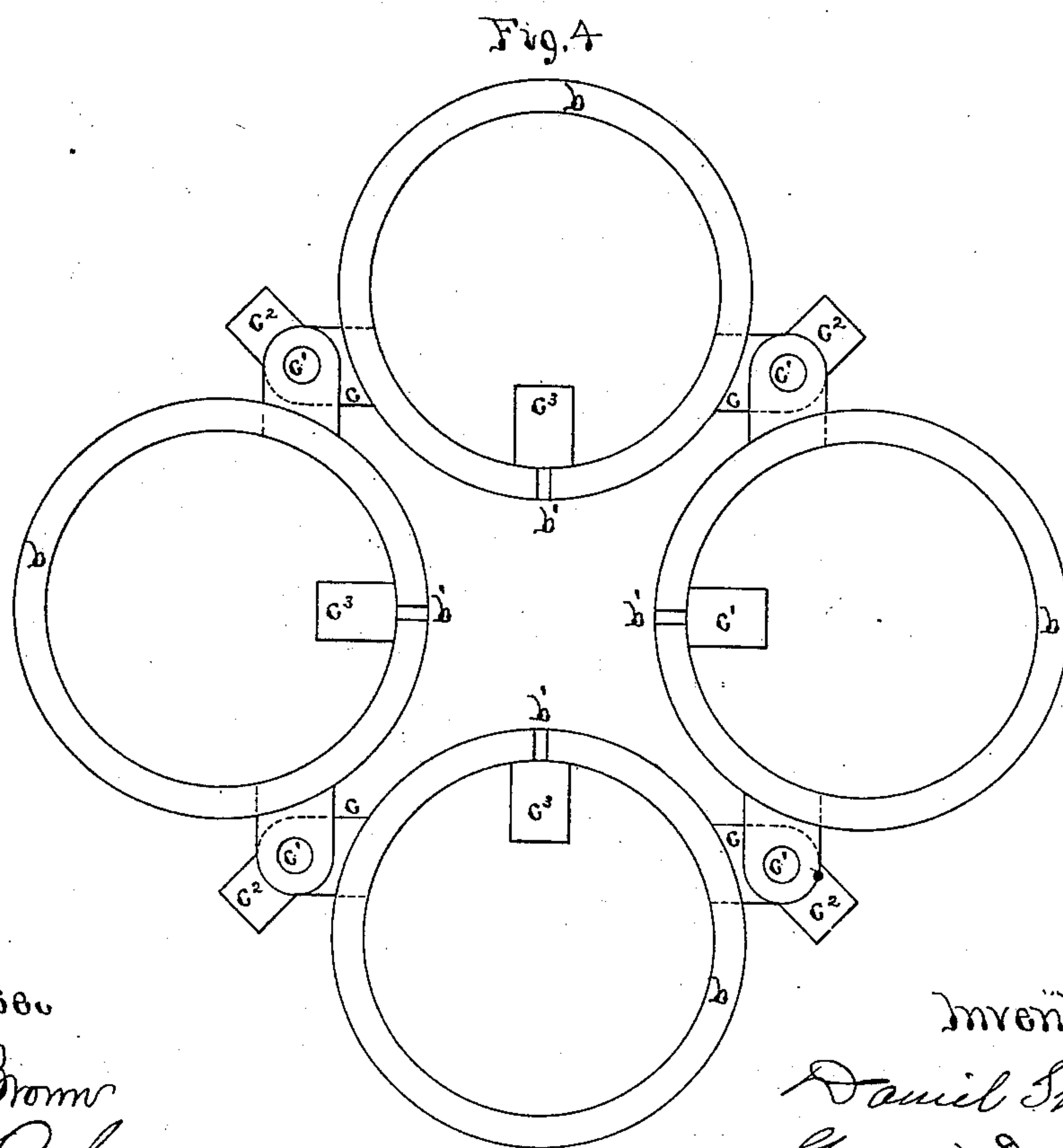
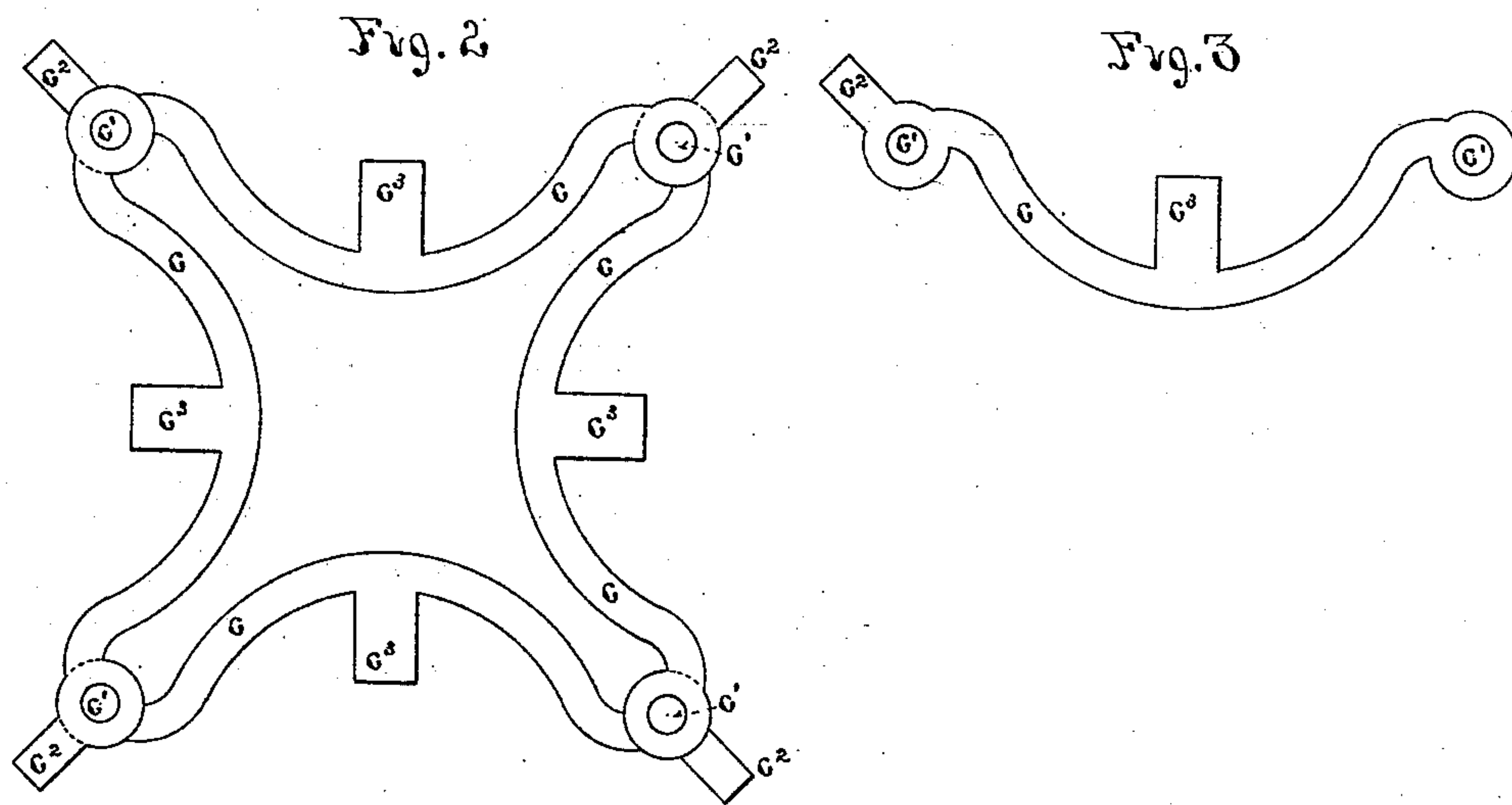
2 Sheets—Sheet 2.

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UNITED STATES PATENT OFFICE.

DANIEL SHERWOOD AND GEORGE D. DUDLEY, OF LOWELL, MASSACHUSETTS,
ASSIGNORS TO WOODS, SHERWOOD & CO., OF SAME PLACE.

WIRE TABLE-CASTER.

SPECIFICATION forming part of Letters Patent No. 299,688, dated June 3, 1884.

Application filed January 21, 1884. (No model.)

To all whom it may concern:

Be it known that we, DANIEL SHERWOOD and GEORGE D. DUDLEY, of Lowell, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Wire Table-Casters, of which the following is a specification.

Our invention relates to table-casters for domestic use; and it consists of a novel arrangement and combination of the parts of a table-caster made of plain wire, so that they can be solidly joined together, leaving as little metal surface exposed, besides that of the wire, as possible to be attacked by rust, and making a more neat and durable article, substantially as hereinafter described.

In the drawings, Figure 1 is an elevation of a table-caster constructed according to our invention. Fig. 2 is a top view of the clasp-straps which secure the parts together in position to apply the other parts. Fig. 3 is a separate view of one of the clasp-straps. Fig. 4 is a view of the clasp-straps with the rings applied before being clamped in place.

A A are the legs of the caster, twisted together at *a* at the top, to form the handle, and made of plain smooth wire. The rings *b b* are also of plain smooth wire with their ends butted together at *b'*. In order to join the legs A and wings *b* together, as well as cover the joint at *b'* of each wing, and at the same time expose to view as little metal as possible, we form binder-strips *c c*, of flat metal, conforming to the shape of the ring, and having holes *c' c'* for the legs A to pass through, and clamping projections *c² c²* for the legs A, and clamping projections *c³ c³* to cover the abutting ends of the rings at *b'*, as shown in Figs. 2, 3, and 4 in detail.

The parts being laid together, as shown in Fig. 4, the clamping-pieces *c³ c³* are folded around the rings *b b*, the caster-legs are slipped through the holes *c' c'*, the clamp-pieces *c² c²* are bent downward and over and around the legs A A, as shown in Fig. 1, and the whole is then dipped in molten metal and soldered together and covered with a surface of tin at one operation. It will be observed that while the binder-pieces secure the rings *b* to the legs

A, they are covered and strengthened by the rings *b*, so as to be capable of sustaining the weight of bottles placed in the latter, although very weak and insufficient in themselves, and that they support the clamps *c² c³* in position to be wrapped around and give a firmer bearing against the smooth wire surface, and to cover the joints in rings *b b*. At the same time there is very little or no flat metal surface exposed to catch and hold moisture or acids and create rust, because the flat parts of binders *c c*, between the rings *b b* and legs A A, are so small as to be entirely covered with the molten metal cooling between these parts. Instead of being made of separate pieces, the several binders *c c*, as shown in Fig. 2, may all be cut from a single piece of metal.

It is obvious that a caster made of smooth wire has no irregularities or interstices to collect dirt or moisture, and is in these respects an improvement over one made of twisted wire, and the chief difficulty heretofore has been to secure the parts firmly together, so as to have no other exposed surfaces, substantially, than the smooth wire, as herein shown.

What we claim as new and of our invention is—

1. As a new article of manufacture, a table-caster formed of smooth wire legs and smooth wire wings joined together by clasps and soldering metal, substantially as described.

2. In combination with the legs A A, the smooth wire rings *b b*, having their joints covered with metal clamps *c² c²*, substantially as described.

3. The combination of the smooth wire legs A A, the smooth wire rings *b b*, and the binders *c c*, substantially as described.

4. In combination with the rings *b b*, the smooth wire legs A A, twisted together at *a* and bent on each side of said twist, to form the handle of the caster, substantially as described.

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Witnesses:

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E. F. MOORE.