

No. 863,767.

PATENTED AUG. 20, 1907.

C. A. WEAVER.
DISPLAY CASE.

APPLICATION FILED MAR. 11, 1907.

2 SHEETS—SHEET 1.

Fig. 1 c

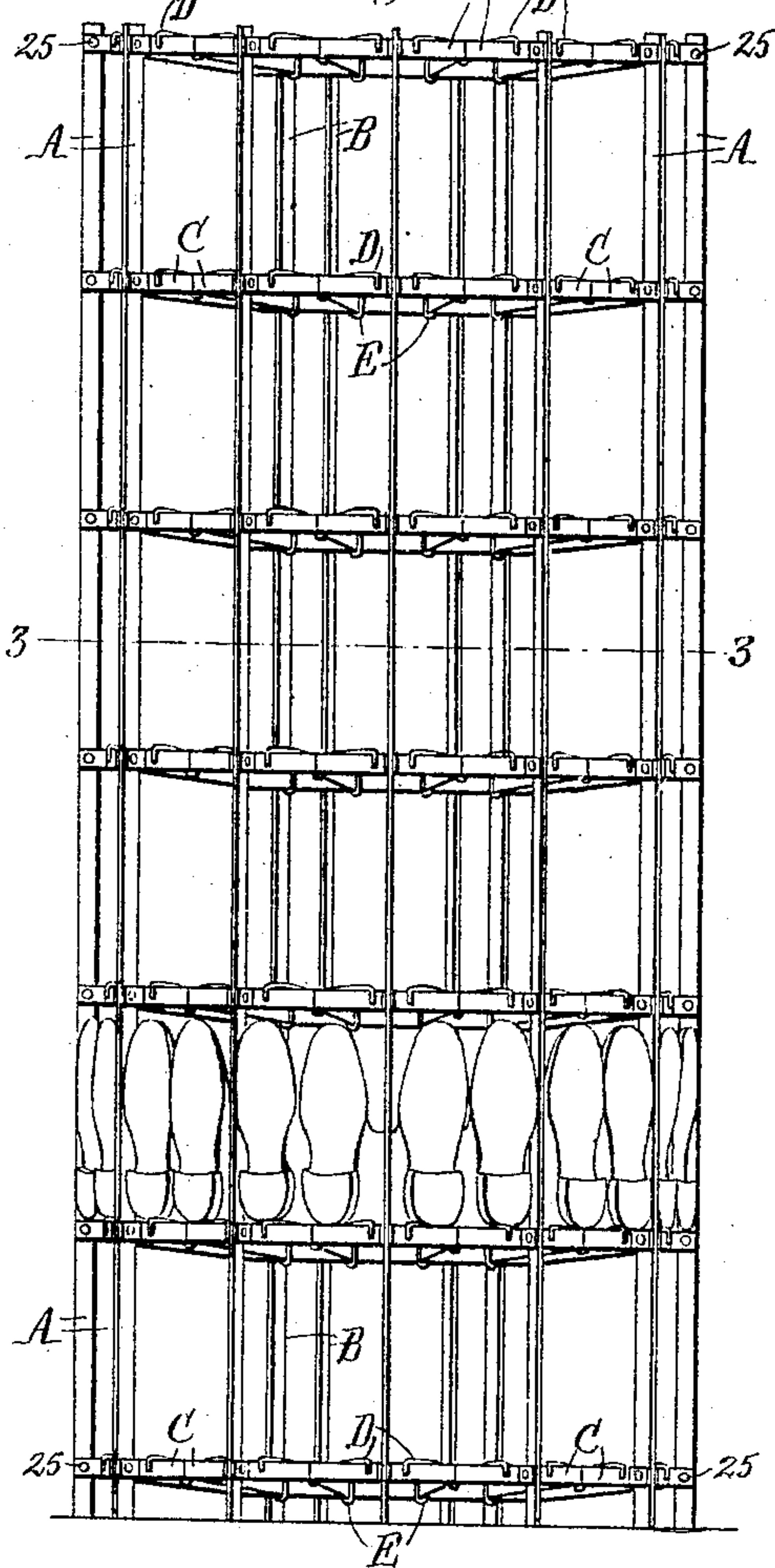


Fig. 2.

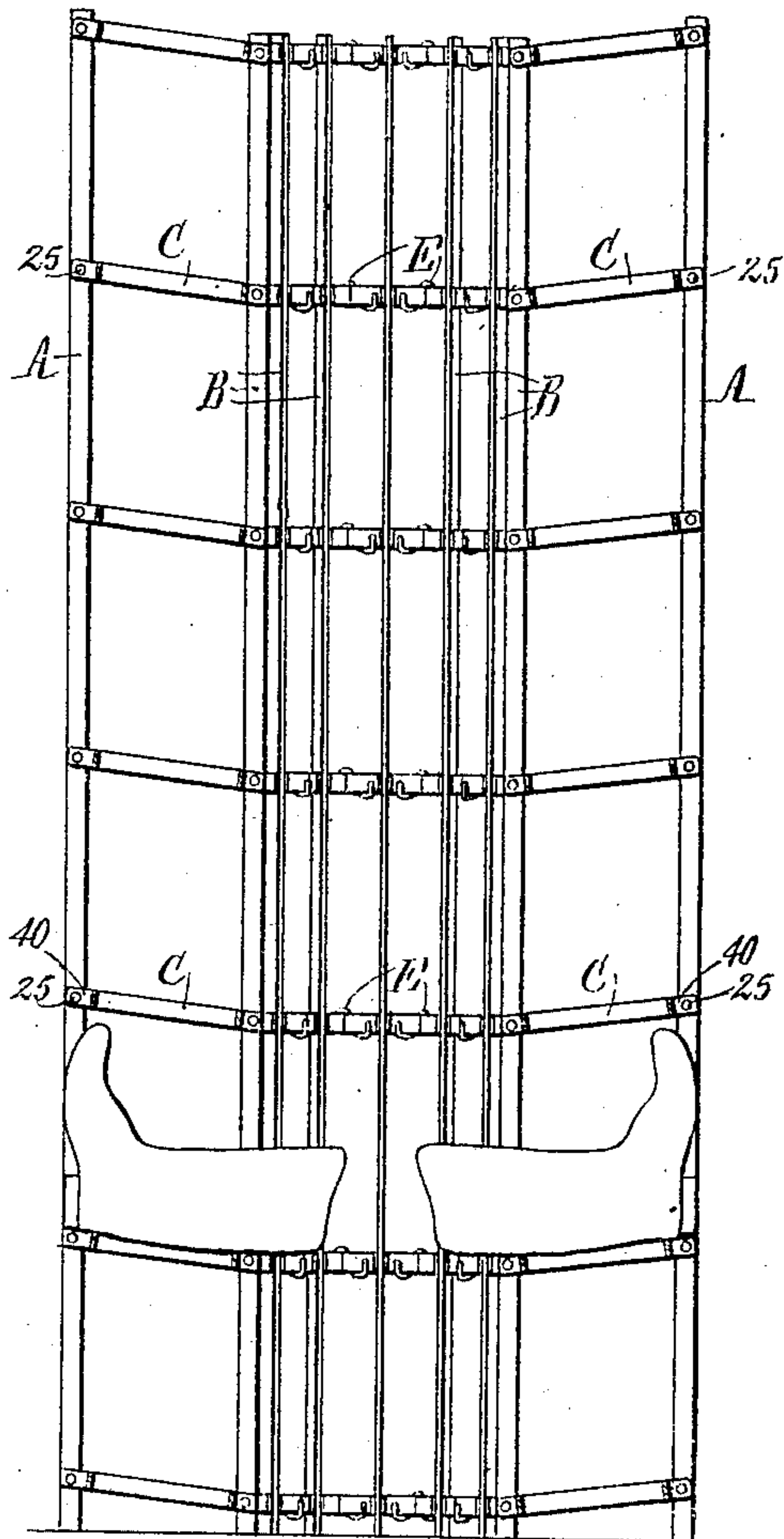
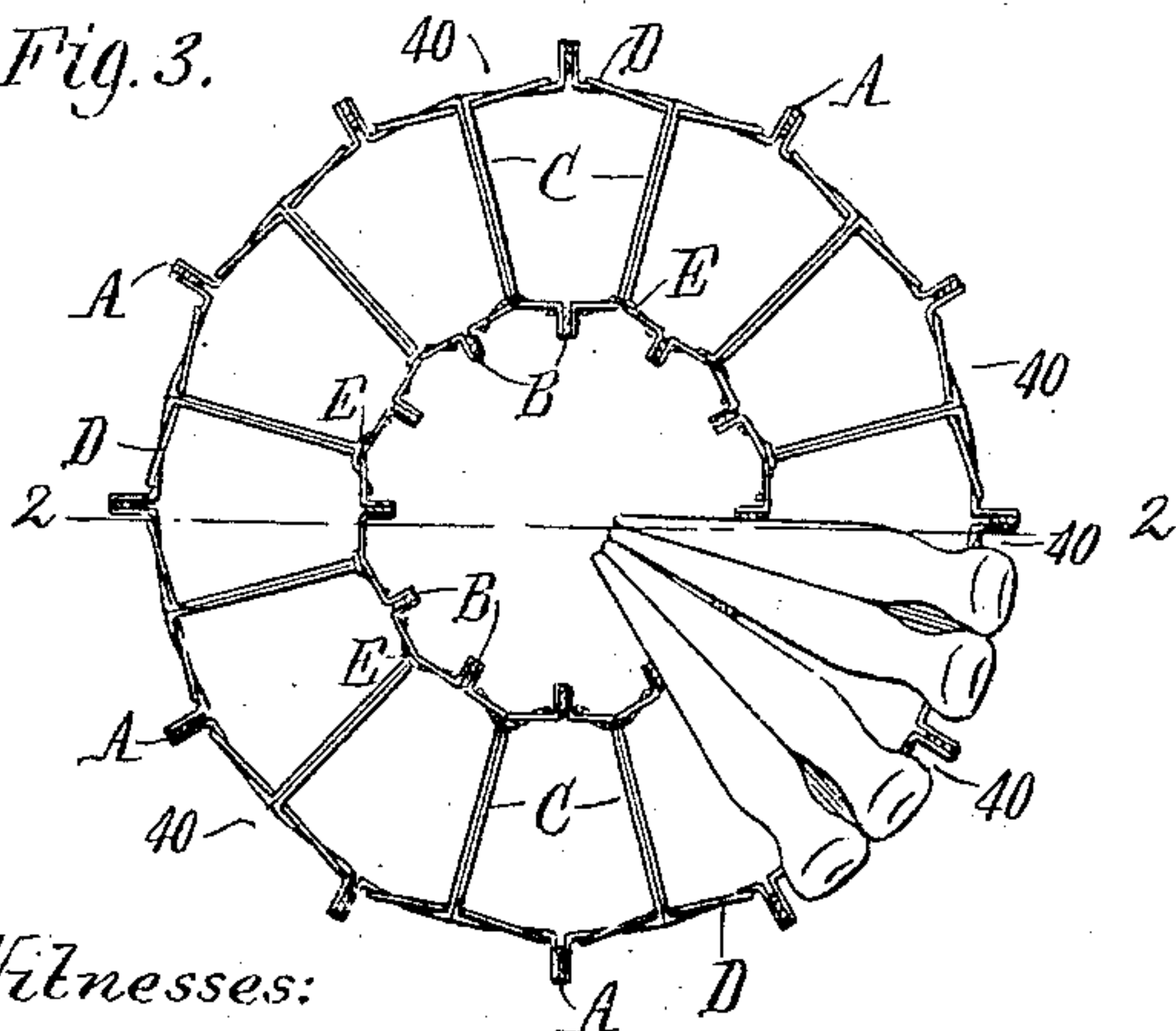


Fig. 3.

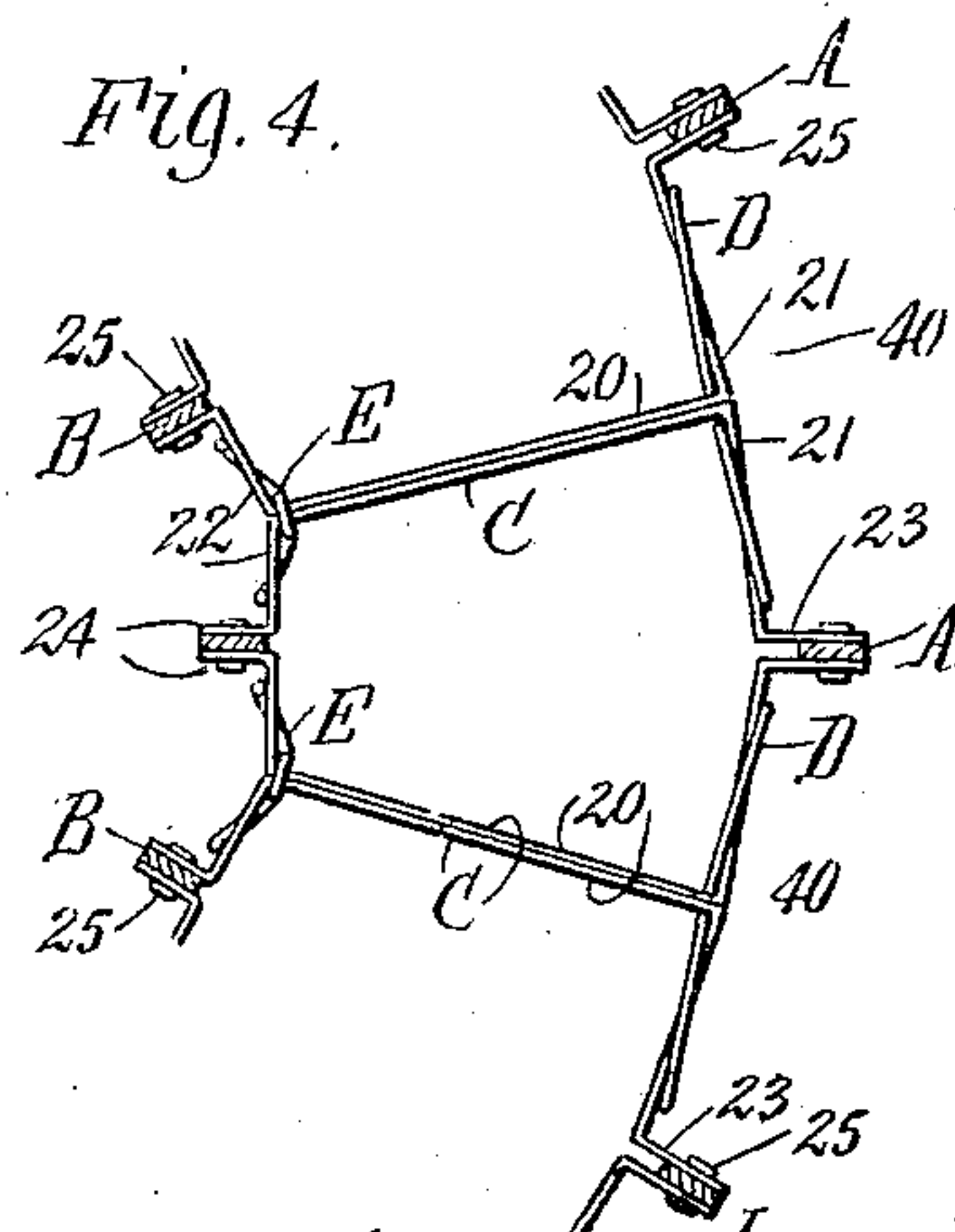


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Fig. 4.



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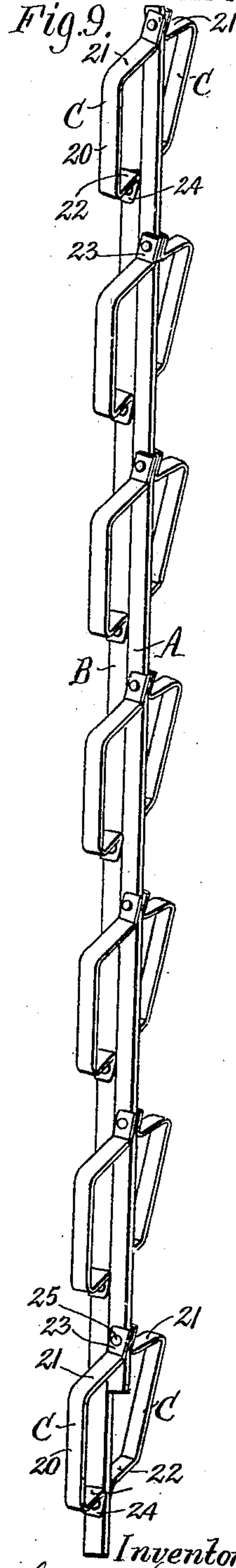
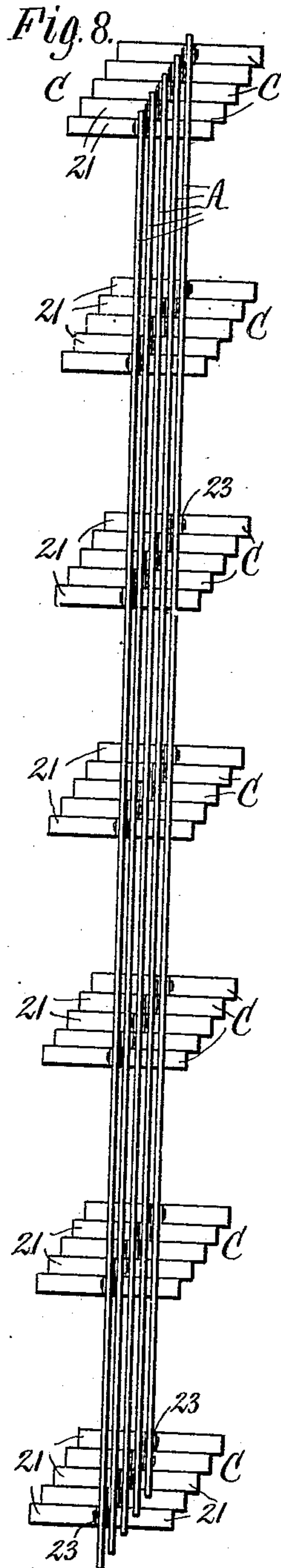
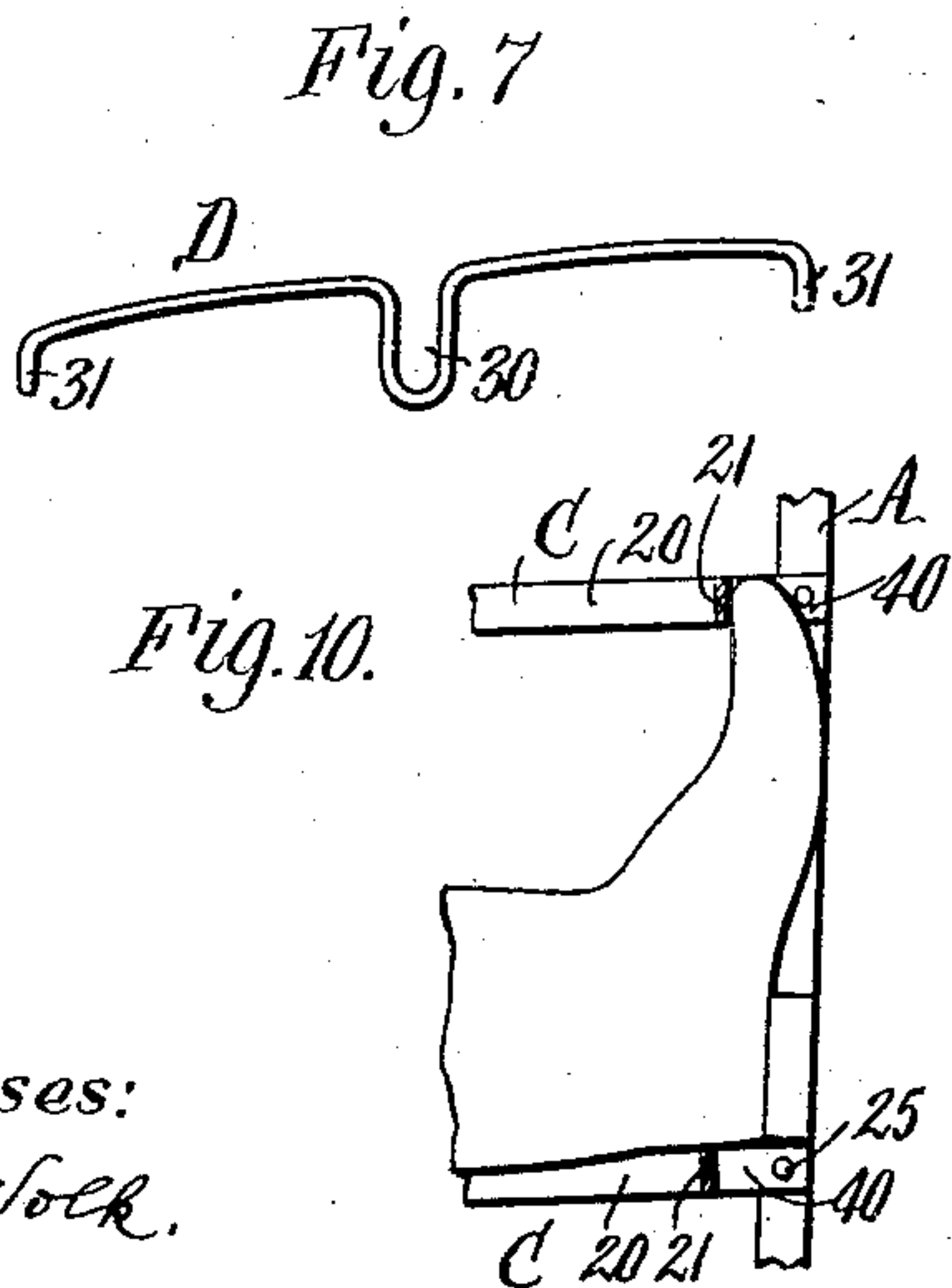
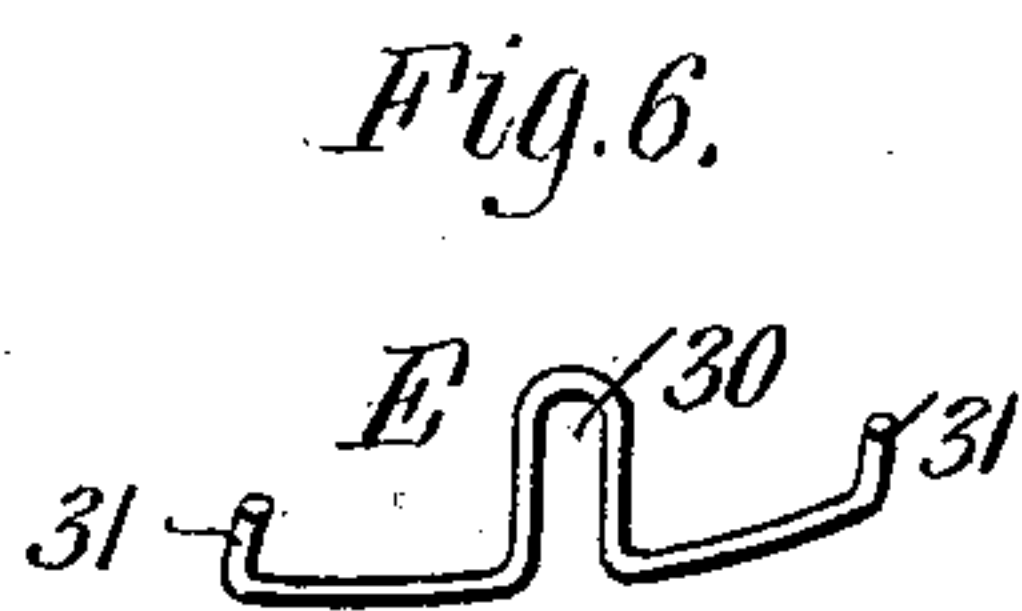
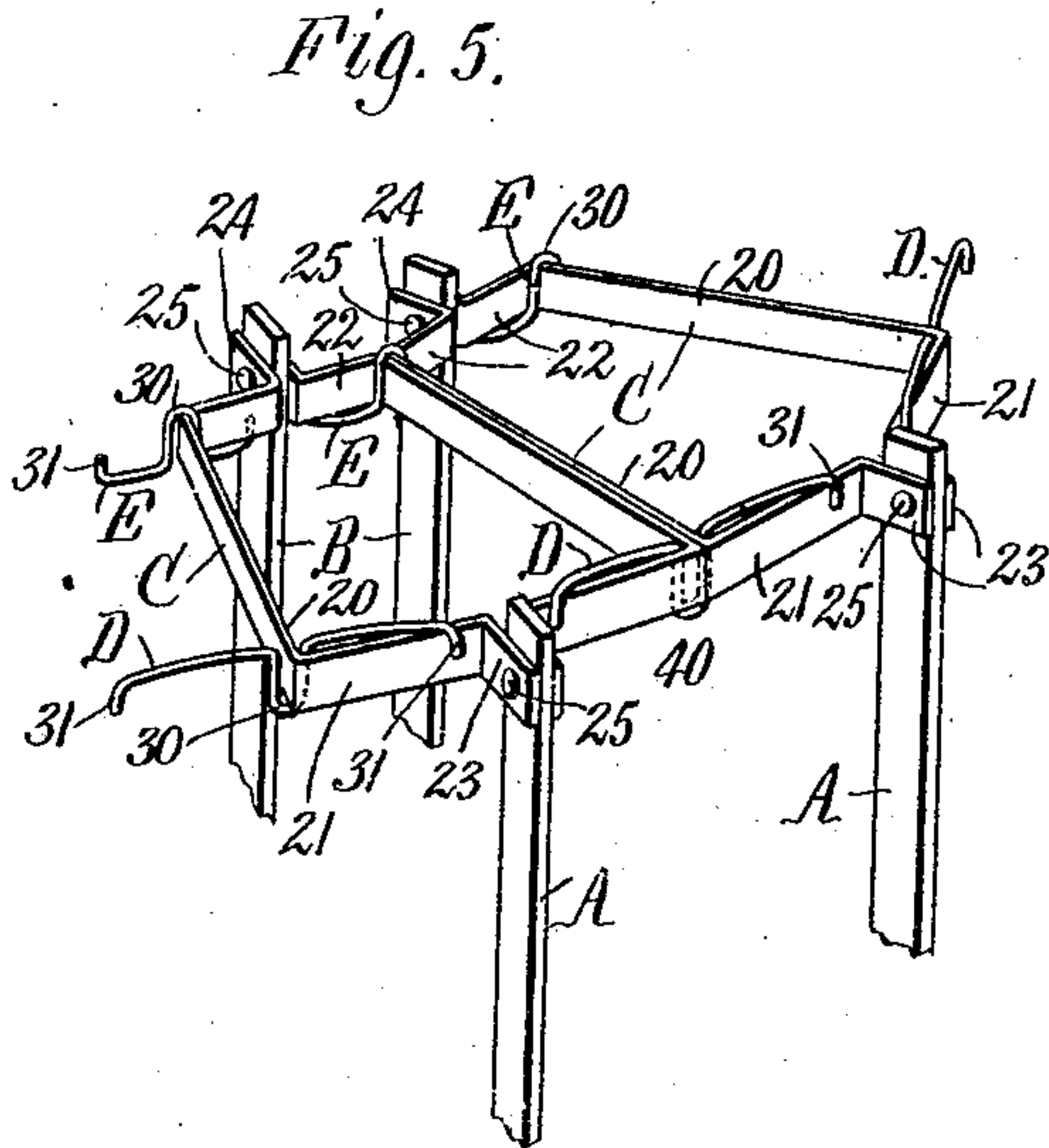
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

CHARLES A. WEAVER, OF BATAVIA, NEW YORK.

DISPLAY-CASE.

No. 863,767.

Specification of Letters Patent.

Patented Aug. 20, 1907.

Application filed March 11, 1907. Serial No. 361,644.

To all whom it may concern:

Be it known that I, CHARLES A. WEAVER, a citizen of the United States, residing at Batavia, in the county of Genesee and State of New York, have invented a new and useful Improvement in Display-Cases, of which the following is a specification.

This invention relates to a display case or rack which is composed of detachable upright sections, so constructed and arranged that they can be quickly assembled when the case is required for use, or can be separated and closely packed or nested, for shipping or when the case is not required for use.

While the case or rack is desirable in stores for the display of various kinds of articles, it is more especially designed for displaying boots, such as rubber, felt, woolen or leather boots, the case or rack having compartments which are arranged in superposed annular tiers or rows, and each compartment being of the proper size and shape to hold a pair of boots with the soles standing upright side by side and facing outward, so that the salesman can readily read the size of the boots which is marked on the soles and can quickly select and reach a pair of the desired size.

In the accompanying drawings, consisting of two sheets: Figure 1 is an elevation of my improved display case or rack. Fig. 2 is a vertical section of the same in line 2—2, Fig. 3. Fig. 3 is a horizontal section in line 3—3, Fig. 1. Fig. 4 is a fragmentary horizontal section of adjacent sections, on an enlarged scale. Fig. 5 is a fragmentary perspective view of adjacent sections. Fig. 6 is a perspective view of one of the rear spring clamps for connecting adjacent sections. Fig. 7 is a similar view of one of the front spring clamps. Fig. 8 is an elevation showing several sections nested. Fig. 9 is a perspective view showing one of the sections folded. Fig. 10 is a fragmentary sectional elevation of one of the sections, on an enlarged scale.

Like letters and numerals of reference refer to like parts in the several figures.

The display case or rack consists of a number of upright radial sections which are arranged about a common center and secured together by detachable clamping or fastening devices, each section comprising a number of superposed compartments of a size and form suitable for containing the goods or articles, and the several compartments on the same level forming an annular tier or row extending around the case or rack.

Each upright section comprises a front and a rear upright post A B and connecting bars C which extend from the front to the rear upright of each section and form the top and bottom members of the compartments. Each upright is provided for each compartment with a pair of connecting bars which are secured to opposite sides of the upright and extend laterally therefrom, so

that the connecting bars of adjoining sections on the same level or tier stand side by side and in contact with each other.

The uprights and connecting bars are preferably formed of metal, and each connecting bar comprises a radial or body portion 20, front and rear transverse portions 21, 22, and front and rear attaching ears 23, 24. The ears rest against the sides of the uprights and are attached thereto by bolts or rivets 25, which may secure the connecting bars rigidly to the uprights or may form pivotal connections, as may be preferred. The transverse members or portions 21, 22, extend sidewise from the attaching ears to the ends of the body portion 20 of the bar and the corresponding bars of the pair of bars are attached to the upright by the same rivet or bolt. Each pair of connecting bars form an open platform having rearwardly-converging or radial sides and when the case or rack is designed for holding boots these bars are preferably arranged somewhat lower at the rear end than at the front end in order to support the boots in such a position that the soles stand upright.

The sections are of such number and shape that a set of the same set up side by side will form a complete rack or case. As shown in the drawings, twelve such sections are combined to form a cylindrical case or rack but the number may be increased or reduced, as may be most convenient.

The sections are detachably secured together by any suitable means. In the construction shown in the drawings, the fastening means consists of spring clamps D E which are engaged with adjoining connecting bars. These spring clamps have central bights or bends 30, which straddle the adjacent body portions 20 of the connecting bars, and hooked arms 31 which are sprung over the transverse portions 21, 22, of the bars. These spring clamps may be applied either side up, as shown, the front clamp D being shown with its bight opening upwardly and the rear clamp E with its bight opening downwardly. By springing the hooked arms 31 over the transverse portions of the bars the bights of the clamps are contracted, whereby the body portions of the bars are drawn closely against each other.

When the sections are set up and secured together the continuous body portions 20 of adjacent connecting bars stand in the middle of each compartment formed between two uprights, the boot legs rest upon the front and rear transverse portions of the bars, and as the front transverse portions 21 stand in rear of the front attaching ears 23 an open space 40 is formed in front of these front transverse portions between the uprights, in which space the toes of the boots may be accommodated, as represented in Fig. 10.

When it is desired to pack or store the case or rack

the sections are disconnected and nested, as represented in Fig. 8, when the connecting bars are rigidly secured to the uprights, or when the bars are pivoted to the uprights each upright may be folded, as represented in Fig. 9.

For boots of ordinary commercial sizes it is advisable to provide the case with twelve or more compartments in each horizontal tier or row and with six compartments in each vertical row and to make the diameter of the case approximately three feet. A case or rack of this construction will hold six cases of assorted boots and will occupy comparatively little space.

I claim as my invention:

1. A display case comprising upright sections arranged about a common center and detachably secured together, each section having a front and rear upright and radial connecting platforms, and adjoining sections forming between their uprights superposed display compartments which are separated by said platforms, substantially as set forth.

2. A display case comprising upright sections arranged about a common center and detachably secured together, each section consisting of a front and a rear upright and connecting bars arranged in pairs attached to opposite sides of each upright and each connecting bar consisting of a radial body portion, transverse front and rear portions and attaching ears, substantially as set forth.

3. A display case comprising upright detachable sections arranged about a common center and each consisting of a front and a rear upright and radial platforms connecting the uprights and extending laterally from opposite sides thereof, substantially as set forth.

4. In a display case, the combination of upright sections, each consisting of a front and a rear upright and connecting bars arranged in pairs and attached at their front and rear ends to the uprights and extending laterally from opposite sides thereof, and spring clamps engaging adjoining bars and securing the sections detachably together, substantially as set forth.

5. In a display case, the combination of upright sections, each consisting of a front and a rear upright and radial connecting platforms, and spring clamps engaging adjoining platforms and securing the sections detachably together, substantially as set forth.

6. In a display case, the combination of upright sections, each consisting of a front and a rear upright and connecting bars arranged in pairs, said bars having transverse front portions which are arranged rearward of the front uprights and form an open space in front of said bars and between the front uprights, substantially as set forth.

Witness my hand in the presence of two subscribing witnesses.

CHARLES A. WEAVER.

Witnesses:

EDWARD WILHELM,
C. B. HORNBECK.