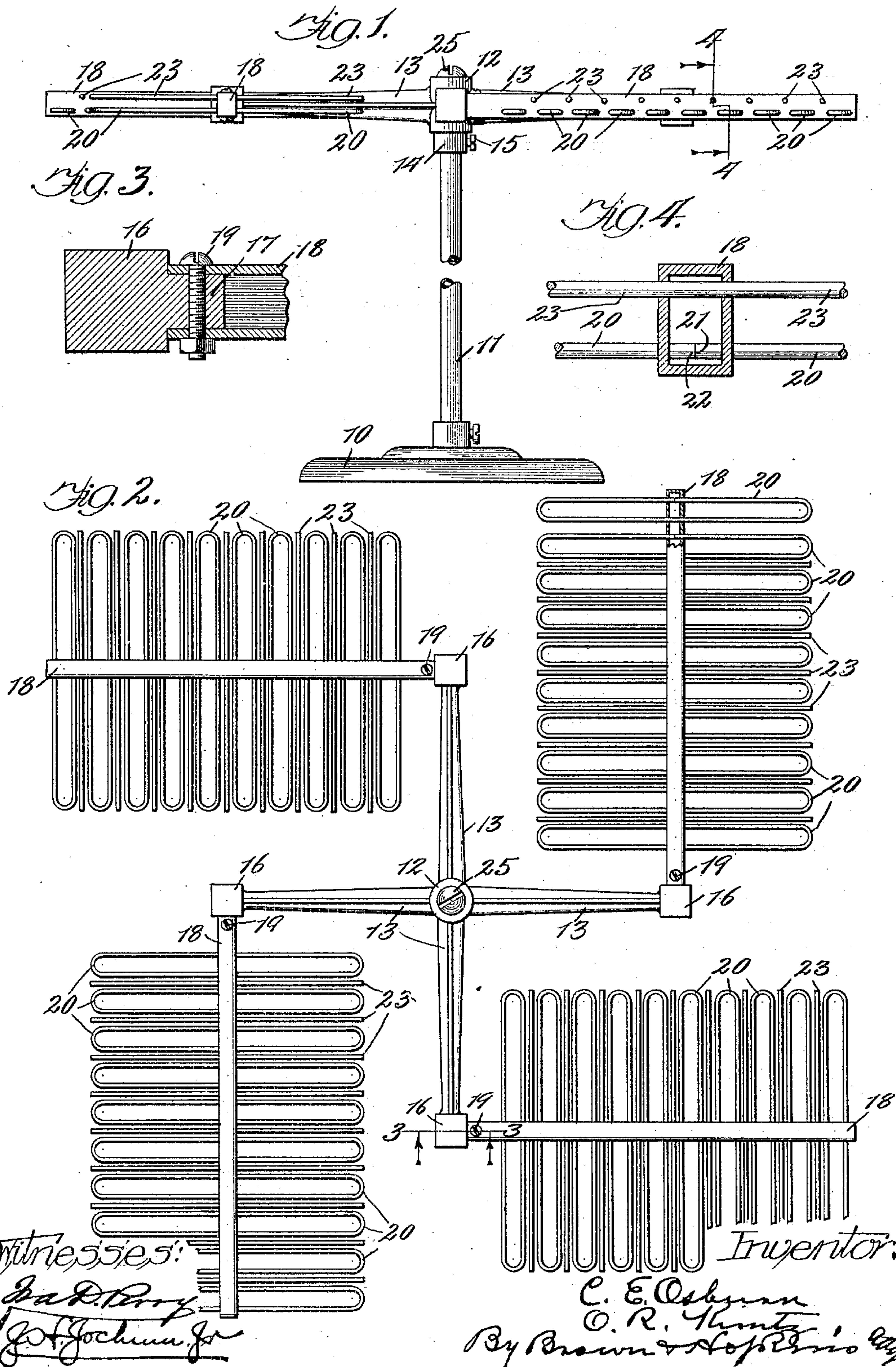


C. E. OSBURN & O. R. KUNTZ.
 DISPLAY RACK OR STAND.
 APPLICATION FILED NOV. 30, 1908.

929,625.

Patented July 27, 1909.

2 SHEETS—SHEET 1.



C. E. OSBURN & O. R. KUNTZ.

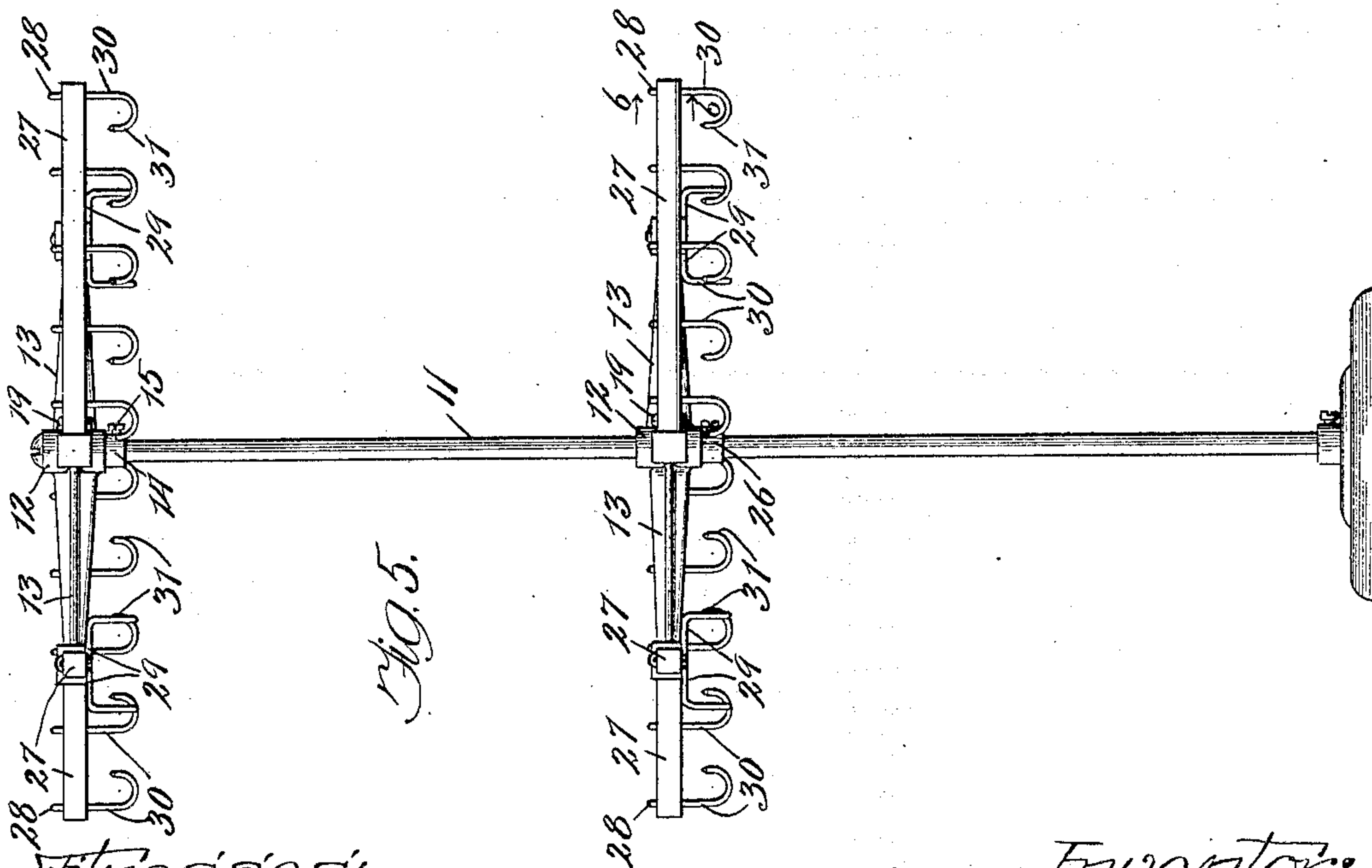
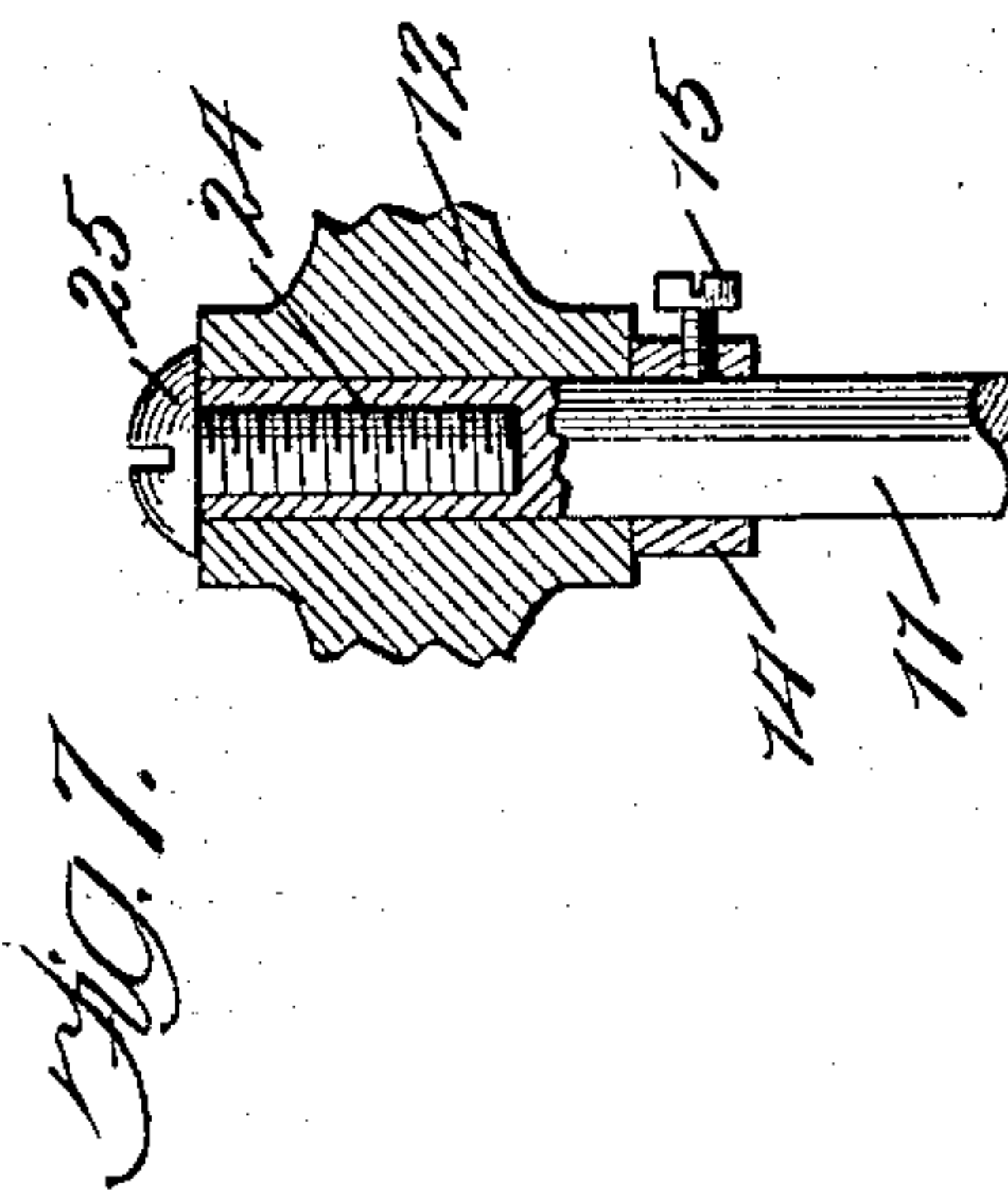
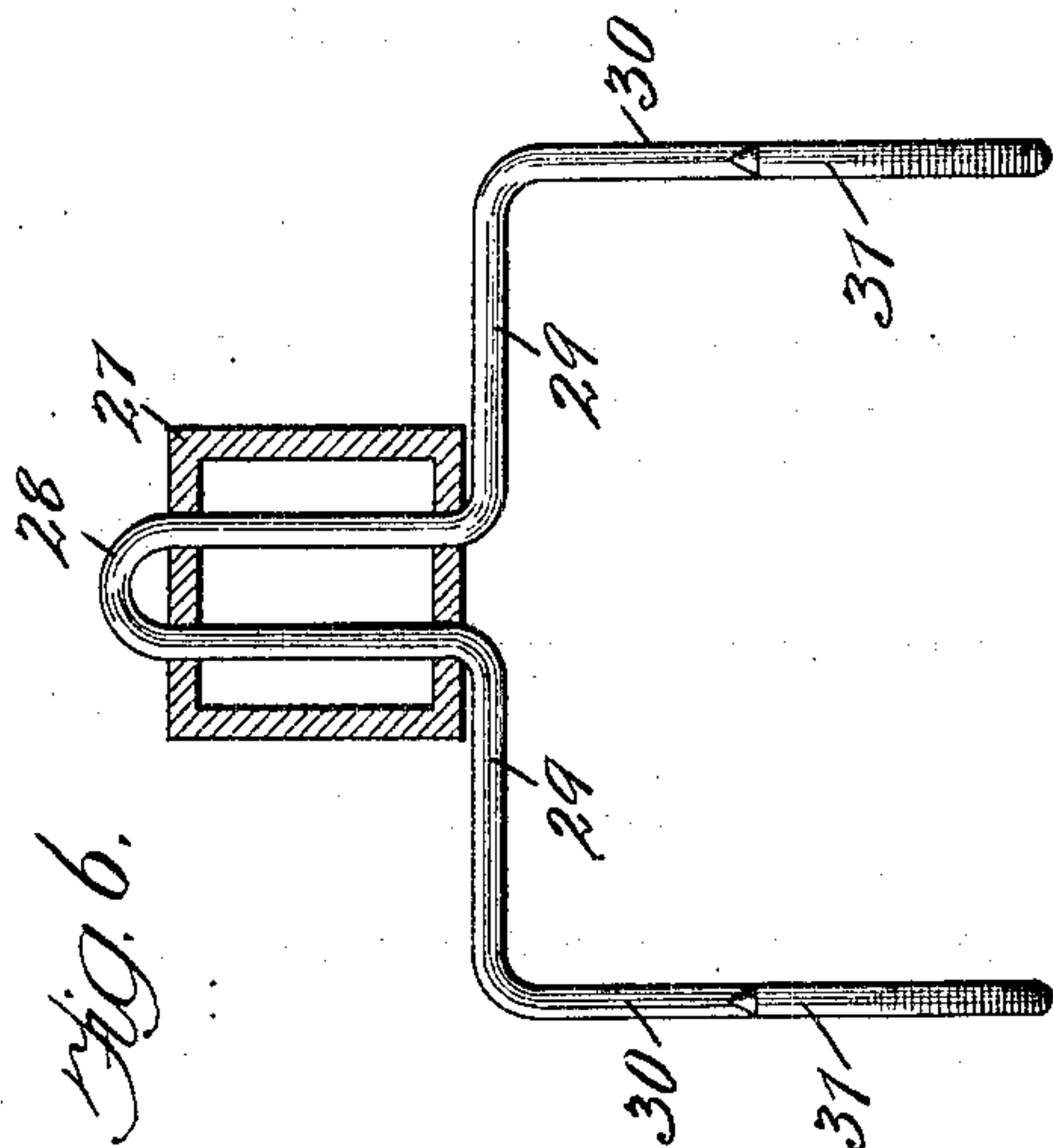
DISPLAY RACK OR STAND.

APPLICATION FILED NOV. 30, 1908.

929,625.

Patented July 27, 1909.

2 SHEETS—SHEET 2.



Witnesses:
Ed. Perry
J. F. Gochum Jr.

Inventors
C. E. Osburn
O. R. Kuntz
By Brown & Hoffmeyer Attys

UNITED STATES PATENT OFFICE

CLAYTON E. OSBURN AND OSCAR R. KUNTZ, OF KANKAKEE, ILLINOIS.

DISPLAY RACK OR STAND.

No. 929,625.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed November 30, 1908. Serial No. 465,008.

To all whom it may concern:

Be it known that we, CLAYTON E. OSBURN and OSCAR R. KUNTZ, citizens of the United States, residing at Kankakee, in the county of Kankakee and State of Illinois, have invented certain new and useful Improvements in Display Racks or Stands, of which the following is a specification.

This invention relates to improvements in display racks or stands, and the primary object of the same is to provide an improved device of this character for displaying or exhibiting a plurality of articles of merchandise within a compact space, and to which articles ready access may be had.

A further object is to provide improved means for holding the articles in position, and improved means whereby the articles may be readily removed or detached from the rack without interfering with the remaining articles.

A further object is to provide an improved device of this character which will be simple, durable and cheap in construction, and effective and efficient in operation.

To the attainment of these ends and the accomplishment of other new and useful objects, as will appear, the invention consists in the features of novelty in the construction, combination and arrangement of the several parts hereinafter more fully described and claimed and shown in the accompanying drawings illustrating the embodiment of the invention, and in which—

Figure 1 is an elevation of an improved device of this character constructed in accordance with the principles of this invention. Fig. 2 is a top plan view of Fig. 1. Fig. 3 is a detail sectional view on line 3—3 of Fig. 2. Fig. 4 is a detail sectional view on line 4—4 of Fig. 1. Fig. 5 is an elevation of a modified form of the invention. Fig. 6 is an enlarged detail sectional view on line 6—6 of Fig. 5. Fig. 7 is an enlarged detail sectional view of the upper end of the supporting standard or upright.

Referring more particularly to the drawings, and in the present exemplification of this invention, the numeral 10 designates a suitable supporting base to which is detachably secured one extremity of an upright or standard 11, which latter may be of any desired size and length according to the height of the stand.

Surrounding the upper end of the standard 11 is a spider 12, the arms 13 of which

are arranged at right angles to each other, and may be of any desired length. This spider 12 is rotatably supported adjacent the upper extremity of the standard 10 in any desired or suitable manner, preferably by means of a collar 14 surrounding the standard 11, and which collar may be secured in position by means of a suitable fastening device, such as a screw or bolt 15. The extremities of each of the arms 13 of the spider 12 are preferably enlarged, as at 16, and these enlarged portions are provided with laterally projecting reduced portions 17 which extend for any desired distance beyond the respective extremities 16.

Suitable tubular supports 18, which are preferably angular in cross section, are provided with an open extremity, and the open extremity of each of these supports is adapted to be sleeved over the projections 17 on the respective arm 13, so that one of these supports 18 will be secured to each of the arms 13, and the supports are arranged at a right angle to the respective arms and project from alternate sides of the arms in a direction parallel with the next adjacent arm. These supports 18 may be of any desired length, but are preferably of a length to project beyond the extremity of the next adjacent arm, and may be secured against displacement in any desired or suitable manner, preferably by means of fastening devices 19, such as bolts, or the like, which pass through the extremity of the respective support 18 and the laterally projecting reduced portion 17 on each of the arms.

Each of the supports is provided in the opposite walls thereof with a plurality of aligned apertures extending throughout the length of the supports, preferably adjacent the bottom of the supports, and passing through these aligned apertures are loop shaped members 20, which may be of any desired length to project for any desired distance beyond the sides of the respective supports, but are of such a length that the loop shaped members 20 adjacent the extremity 16 of the respective arm 13 will terminate short of the next adjacent arm 13 with which the respective support 18 is parallel. These loop shaped members 20 may be constructed of any suitable material, but are preferably constructed of stout wire, and are spaced longitudinally from each other with respect to the support 18. In placing these loop shaped members 20 in

position, one extremity of the material from which they are formed may be bent into a U shaped portion having one of its legs substantially three times the length of the other leg, after which the partially formed member may be secured to the support by passing the extremities of the legs thereof through the respective alined apertures in the support, and the U shaped portion may be moved through the apertures a sufficient distance to permit the extremity of the longer leg to be bent backwardly upon itself to complete the loop so that the extremity of the longer leg will stand adjacent the extremity of the shorter leg, after which the loop member may be adjusted transversely with respect to the respective support until the abutting extremities 21, 22 (see Fig. 4) of the loop shaped member will stand within the tubular support 18. The supports 18 are also provided with a series of alined apertures arranged in a plane above the apertures through which the loop shaped members 20 pass, and the upper row of alined apertures are arranged to break joint with the respective pairs of alined apertures which support the loop shaped members 20. A plurality of bars or rods 23, preferably constructed of the same material as the loop shaped members 20, and of lengths substantially equal to the lengths of the loop shaped members, pass through the alined apertures above the loop shaped members so that the extremities of the bars 23 will terminate in substantially the same vertical plane as the extremity of the loop shaped members, and when in position, these bars or rods will break joint with the loop shaped members, so as to stand above the spaces there between. With this improved form of support it will be apparent that a number of articles of merchandise, such as ribbons, belts, or the like, may be supported by the stand within a very compact space and are held in position by forming a loop intermediate the ends of the article by bending the article upon itself and then inserting the loop over one of the bars or rods 23, so that the body portion of the article to be supported will pass through the space between the edges of adjacent loop shaped members, the loop shaped members 20 serving as means for holding the articles flat, and against slipping. Obviously, the spider 12 may be adjusted to any desired height, and when in position and secured, the spider may be revolved so as to bring any desired article to a predetermined position for displaying the same to a customer.

The upper extremity of the upright or standard 11 is preferably provided with a recess 24, into which is inserted a cap screw 25 for the purpose of providing a finish to the top of the upright, and if desired, this screw may be removed and the aperture or

recess 24 in the end of the standard may be used for the purpose of supporting a display or price card holder. The upright or standard 11 may be of any desired length, and if desired, a plurality of spiders 12 may be supported thereon, in which event one of the spiders may be supported adjacent the upper extremity and the other spider at any desired point intermediate the length thereof by means of a collar 26 similar to the collar 14.

In the modification of the invention shown in Figs. 5 and 6 of the drawings, the supports 27 are of a construction somewhat similar to the supports 18, with the exception that the upper and lower faces thereof are provided with two rows of registering apertures, and the suspension members may be constructed of a single piece of flexible material, preferably stout wire, bent upon itself to form a U shaped extremity 28, the arms or legs of the U shaped member being of substantially the same length. This form of suspension member is secured to the support 27 by passing the extremities of the U shaped member through the respective alined apertures until the base of the U shaped portion stands in close proximity to the upper face of the support 27. The extremities of this suspension member are then deflected laterally away from each other, as at 29, and at points in close proximity to the lower face of the support, for any desired distance, so that the laterally deflected portions 29 will preferably project beyond the sides of the support. These ends are then preferably deflected in a downward direction as at 30, and at substantially right angles to the deflected portions 29, and the extremities of these downwardly deflected portions may be then bent back upon themselves to form hook shaped portions, as shown more clearly in Fig. 5 of the drawings.

With this improved construction it will be apparent that the supports are arranged in close proximity to each other, and by so arranging the supports, a number of articles may be compactly supported thereby and in the smallest minimum space. Furthermore, with this improved construction, the rack or holder may be readily collapsed or knocked down for shipment purposes, and may as readily be assembled for use.

In order that the invention might be fully understood, the details of the foregoing embodiments thereof have been thus specifically described, but what is claimed as new is—

1. In a device of the character described, the combination of an upright, a spider rotatably mounted upon the upright and comprising arms arranged at substantially right angles to each other, supports secured to the extremity of each arm, said supports being disposed at right angles to each other and substantially parallel with the next adjacent

arm, and suspension devices secured to each of the supports.

2. In a device of the character described, the combination of an upright, a spider rotatably mounted on the upright and comprising arms arranged at substantially right angles to each other, and a support secured to one extremity of each arm, said supports being disposed at substantially right angles to the respective arm of the spider.

3. In a device of the character described, the combination of an upright, a spider rotatably mounted on the upright and comprising arms arranged at substantially right angles to each other, a support secured to one extremity of each arm, and being disposed at substantially right angles to the respective arm of the spider, and also at an angle with respect to each other, said supports projecting beyond the extremity of the next adjacent arm, and suspension devices secured to each of the supports and projecting beyond both sides of the respective supports.

4. In a device of the character described, the combination of an upright, a spider rotatably mounted upon the upright and comprising arms arranged at substantially right angles to each other, a support secured by one extremity to one extremity of each of the arms and extending in a direction at substantially right angles to the respective arms, said supports being disposed in substantially the same horizontal plane with the arms of the spider, each of the supports being substantially parallel with the next adjacent arm of the spider on the side of the respective arm to which the support is secured, said supports being also arranged at right angles with respect to each other and suspension devices secured to each of the supports.

5. In a device of the character described, the combination of an upright, a spider rotatably mounted thereon, said spider comprising arms arranged at substantially right angles to each other, a support secured to one extremity of each of the arms, said support being arranged at an angle with respect to each other and also at an angle to the respective arms and projecting beyond the outer extremity of the next adjacent arm, and suspension devices secured to each of the said supports.

6. In a device of the character described, the combination of an upright, a spider rotatably mounted thereon, said spider comprising arms arranged at substantially right angles to each other, a support detachably secured by one extremity to one extremity of each of the arms, said supports being arranged at an angle to the respective arms and also at an angle with respect to each other, said supports extending beyond the outer extremity of the next adjacent arm,

and suspension devices secured to each of the said supports, and projecting laterally beyond the sides of the respective supports.

7. In a device of the character described, the combination of an upright, a spider rotatably mounted thereon and comprising arms arranged at substantially right angles to each other, each of said arms being provided with a lateral extension, tubular supports, one extremity of each of said supports being sleeved upon the respective extensions, means for detachably securing the supports in position, and suspension devices secured to each of the supports.

8. In a device of the character described, the combination of an upright, a spider rotatably mounted thereon and comprising arms arranged at substantially right angles to each other, each of said arms being provided with a lateral extension, tubular supports, one extremity of each of said supports being sleeved upon the respective extensions, means for detachably securing the supports in position, and suspension devices secured to each of the supports, said supports being disposed in substantially the same horizontal plane with the arms of the spider and being arranged at an angle to the respective arms.

9. In a device of the character described, the combination of an upright, a spider rotatably mounted thereon, said spider comprising a plurality of arms connected at one end, a support secured to the free extremity of each arm, said supports being disposed at an angle to the respective arms and substantially at right angles to each other, and suspension devices secured to the supports, said suspension devices each comprising a member passing through the respective supports and projecting laterally beyond opposite sides thereof.

10. In a device of the character described, the combination of an upright, a spider rotatably mounted thereon and comprising a plurality of arms connected at one end, a support secured to each of the arms and at an angle thereto to project beyond the outer extremity of the next adjacent arm, and a plurality of suspension members passing transversely through each of the supports and projecting beyond opposite sides of the respective supports.

11. In a device of the character described, the combination of an upright, a spider rotatably mounted thereon and comprising a plurality of arms connected at one end, a support secured to each of the arms and at an angle thereto to project beyond the extremity of the next adjacent arm, a plurality of suspension members passing transversely through each of the supports and projecting beyond opposite sides of the respective supports, and guide members secured to each of the supports and cooperating with the suspension members.

12. In a device of the character described, the combination of an upright, a spider rotatably mounted thereon and comprising a plurality of arms connected at one end, a support secured to each of the arms and at an angle thereto to project beyond the outer extremity of the next adjacent arm, a plurality of suspension members passing transversely through each of the supports and projecting beyond opposite sides of the respective supports, and guide members secured to each of the supports below the suspension members, each of said guide members being disposed below the space formed between two adjacent suspension members.

13. In a device of the character described, the combination of an upright, a spider rotatably mounted thereon and comprising a plurality of arms connected at one end, a support secured to each of the arms and at an angle thereto to project beyond the outer extremity of the next adjacent arm, a plu-

25
rality of suspension members passing transversely through each of the supports and projecting beyond opposite sides of the respective supports, and guide members secured to each of the supports and projecting beyond opposite sides thereof, each of said guide members being disposed below the space formed by two adjacent suspension members and the extremities of said guide members terminating substantially flush with the extremities of the respective suspension members.

30
In testimony whereof we have signed our names to this specification, in the presence of two subscribing witnesses, on this 24th day of November A. D. 1908.

CLAYTON E. OSBURN.
OSCAR R. KUNTZ.

Witnesses:

JNO. PURCELL,
JOSEPH KOHL.