

No. 862,316.

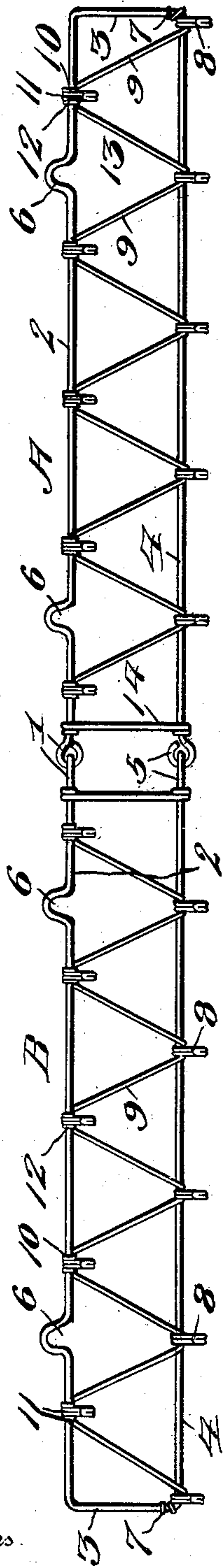
PATENTED AUG. 6, 1907.

C. W. DONLEY.

RACK.

APPLICATION FILED SEPT. 29, 1906.

Fig. 1.



Witnesses.

Frank B. Hoffman.
D. W. Gould.

Fig. 3.

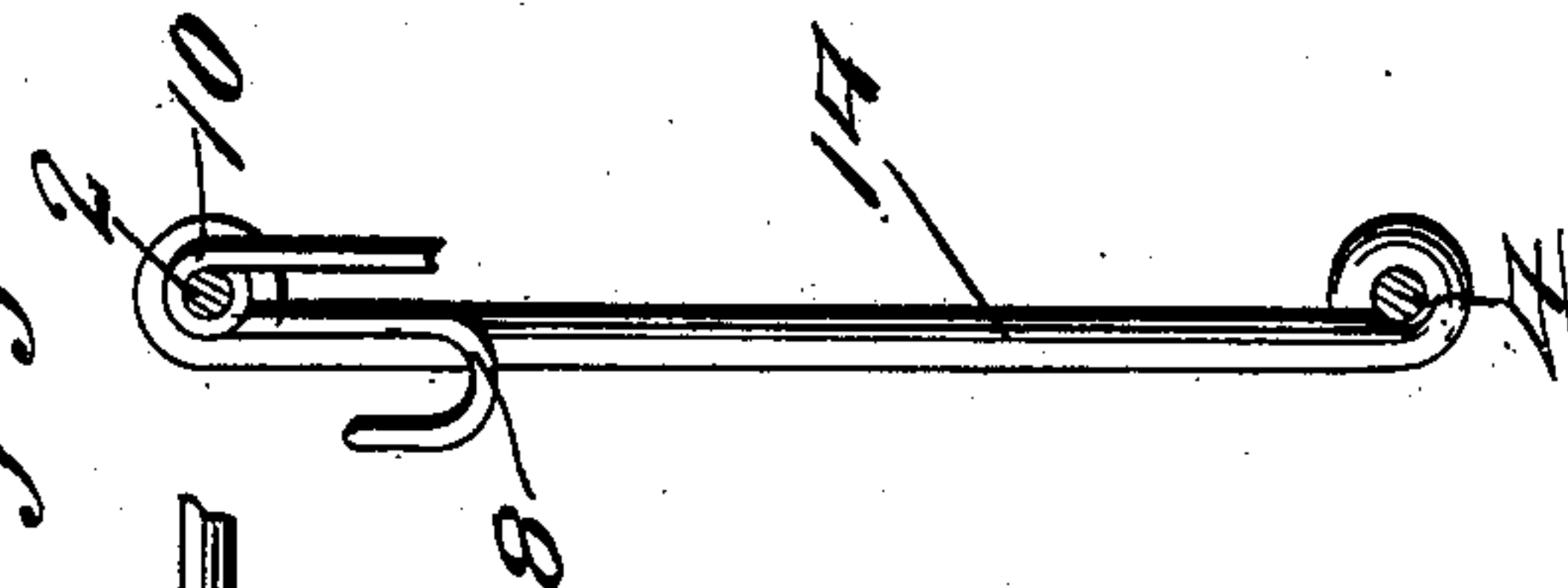
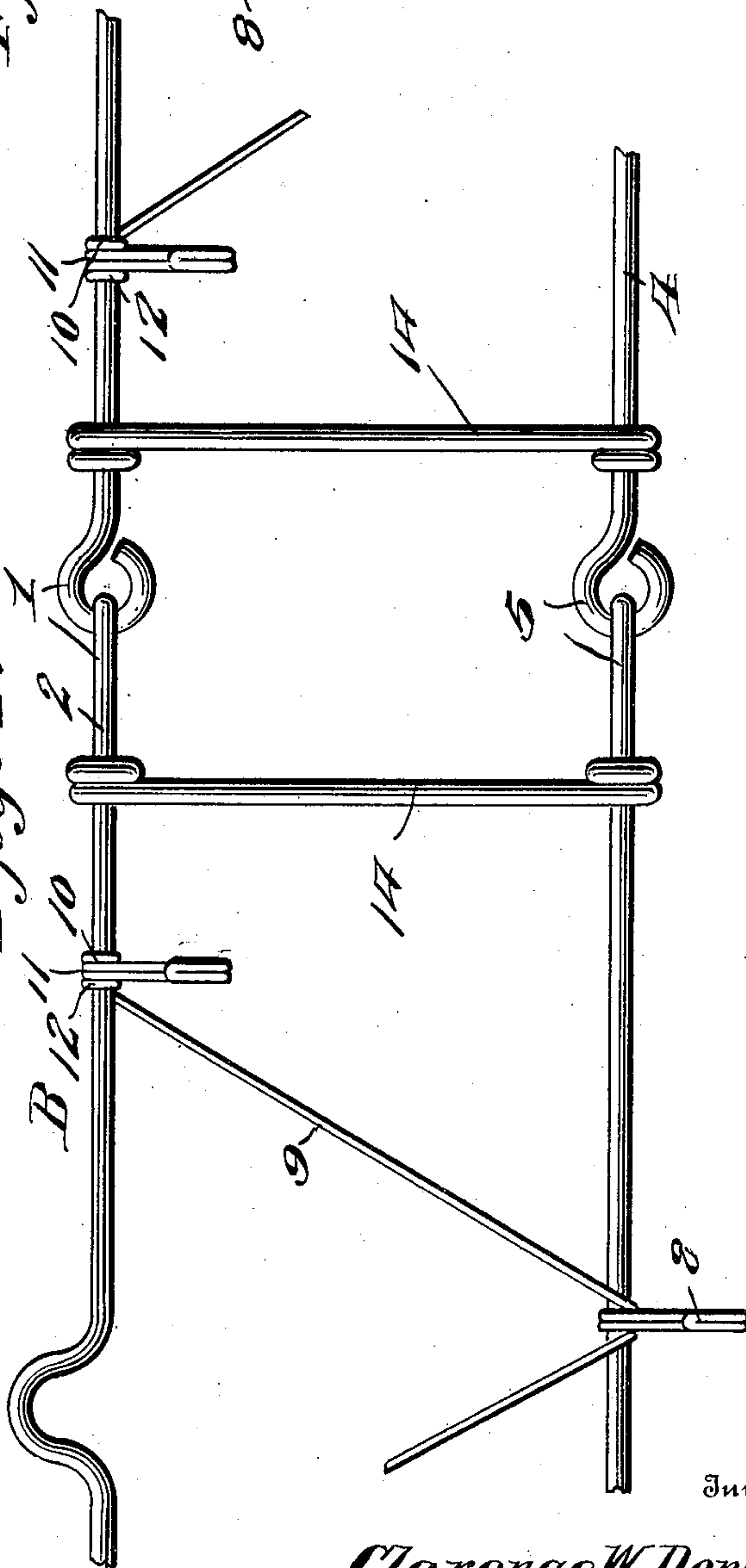


Fig. 2.



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RACK.

No. 862,316.

Specification of Letters Patent.

Patented Aug. 6, 1907.

Application filed September 29, 1906. Serial No. 336,690.

To all whom it may concern:

Be it known that I, CLARENCE WATSON DONLEY, a citizen of the United States, residing at Owego, in the county of Tioga and State of New York, have invented
5 new and useful Improvements in Racks, of which the following is a specification.

The invention relates to an improvement in racks of that type which are constructed and arranged to support a plurality of articles which may be conveniently
10 and individually removed for use if desired.

The main object of the present invention is the production of a rack of the class described constructed wholly of wire and adapted to provide a plurality of hooks arranged to conveniently and individually support
15 the desired articles, the arrangement being such that any desired article may be removed without interfering with any other.

The preferred details of structure will be described in the following specification, reference being had to
20 the accompanying drawings, in which

Figure 1 is a view in elevation of a rack constructed in accordance with my invention. Fig. 2 is an enlarged detail view thereof. Fig. 3 is a transverse section illustrating the formation of one of the hooks.

25 Referring to the drawings, my improved rack is preferably constructed in two sections A and B adapted to be connected by a suitable hinged joint to accommodate independent movement. Each of the sections are identical and a detail description of one will suffice
30 for both.

Each section is formed of two lengths of material, preferably wire, one strip of material being bent to form the frame and the other strip bent to form the hooks and incidentally to brace the frame.

35 In forming the frame of section A for instance, one terminal of the wire is bent to form an eye 1 and projected therefrom to form an arm 2, being bent laterally at the end of the arm to provide a cross bar 3 and projected from the end of said bar rearwardly to provide
40 an arm 4, said arm terminating in an eye 5 arranged in alinement and projected in the same plane as the eye 1, the arm 4 extending parallel with, but spaced from the arm 2. The arm 2 which forms the upper arm of the section is bent upward in approximately inverted
45 U-shape intermediate its length, as at 6 to provide eyes arranged to engage a suitable nail or other hanger to support the rack. The eyes 6 are arranged preferably approximate the adjacent ends of the arm to provide for properly supporting the frame.

50 The hooks are supported from the respective arms 2 and 4, being so spaced and arranged that each hook on one arm is in the plane intermediate the hooks of the other arm, so that said hooks are arranged in staggered

relation to provide for convenience in hanging or removing the articles.

The hooks of one section are formed of a single length of material such as wire, preferably of less diameter than the wire forming the frame. In forming the hooks one terminal of the wire is coiled about the cross arm 3, contiguous with its juncture with the arm 4, as at 7,
55 then projected downwardly beyond said arm 4, formed into a hook and returned upon itself following said hook outline, thus providing a hook 8 of double thickness of material. From the hook the wire is coiled about the arm 4 and projected upwardly at an angle to said arm
60 to provide a brace bar 9, the upper end of which bar is bent in a coil 10 around the upper arm 2 and projected from said coil to form a hook 11 of double thickness, exactly similar to hook 8, and from said hook coiled about the arm 2, as at 12, and projected downwardly
65 from said arm 2, at an incline toward the arm 4, to provide a brace bar 13. The brace bars 9 and 13 project from the respective arms at similar angles thereto whereby to provide a uniformity of bracing action and appearance. From the brace bar 13 the wire is coiled
70 about the lower frame arm 4 to provide a second hook 8, and projected therefrom to provide a brace bar 9 which is coiled about the upper arm 2 to provide a hook 11. This operation is continued throughout the length of the section, the inclined brace bars 9 and 13 serving to
75 brace the arms 2 and 4 and at the same time permit the arrangement of the hooks in staggered relation. It will be noted that each of the hooks 8 and 11 are formed on their respective arms intermediate coils formed in the hook strip about the respective arms, whereby said
80 coils effectively prevent any lateral movement of the hook on the arm. By preference the hooks project to a short distance from the respective arms, though I contemplate the use of hooks of any length or of any particular shape.

Section B is identical with said section A and the parts thereof are similarly lettered, the sole exception being the arms 1 and 5 of said section B are projected in a plane at right angles to the eyes of section A, whereby to permit coöperative connection of said eyes to provide a hinged joint between the sections.

By preference, each section is braced by cross bar 14 terminally coiled about the respective arms 2 and 4 immediately adjacent the eyes 1 and 5 thereof, though it is to be understood that said cross bar is not absolutely essential as the brace bars 9 and 13, of the hook strips will effectively brace the frame arms 2 and 4. In use, the rack is supported from suitable nails or the like through which the eyes 6 are caused to engage, the hinged joint adapting the rack for support in a corner or angle, or along a plain wall or surface. Various

articles designed to be supported are caused to engage the respective hooks 8 and 11 as may be desired, whereby it will be noted that said articles are adapted for convenient individual removal without disturbing any 5 of the other articles on the rack.

Having now described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A rack including a frame comprising arms arranged in parallel relation, and a single length of material coiled 10 in succession about each of said arms and projected therefrom to form hooks.

2. A rack including a frame comprising arms arranged in parallel relation, and a single length of material coiled in succession about each of said arms and projected there- 15 from to form hooks, the hooks on one arm being arranged intermediate the adjacent hooks of the other arm.

3. A rack including a frame comprising parallel arms,

hooks formed on each of said arms and brace rods arranged at an incline intermediate said arms, said hooks and brace rods being formed of a single length of material, 20 the material being coiled about the respective arms on each side the hooks thereof whereby to prevent movement of said hooks.

4. A rack formed in two sections, each comprising a frame including parallel arms terminally provided with 25 eyes, the eyes of one section engaging the eyes of the other section, and hooks on one section formed of a single length of material which is projected intermediate the hooks to provide brace rods for the arms.

In testimony whereof, I affix my signature in presence 30 of two witnesses.

CLARENCE WATSON DONLEY.

Witnesses:

GEO. D. YOUNG,
Mrs. G. D. YOUNG.