

J. H. COOPER.

DRAINING RACK.

APPLICATION FILED AUG. 8, 1910.

995,120.

Patented June 13, 1911.

2 SHEETS—SHEET 1.

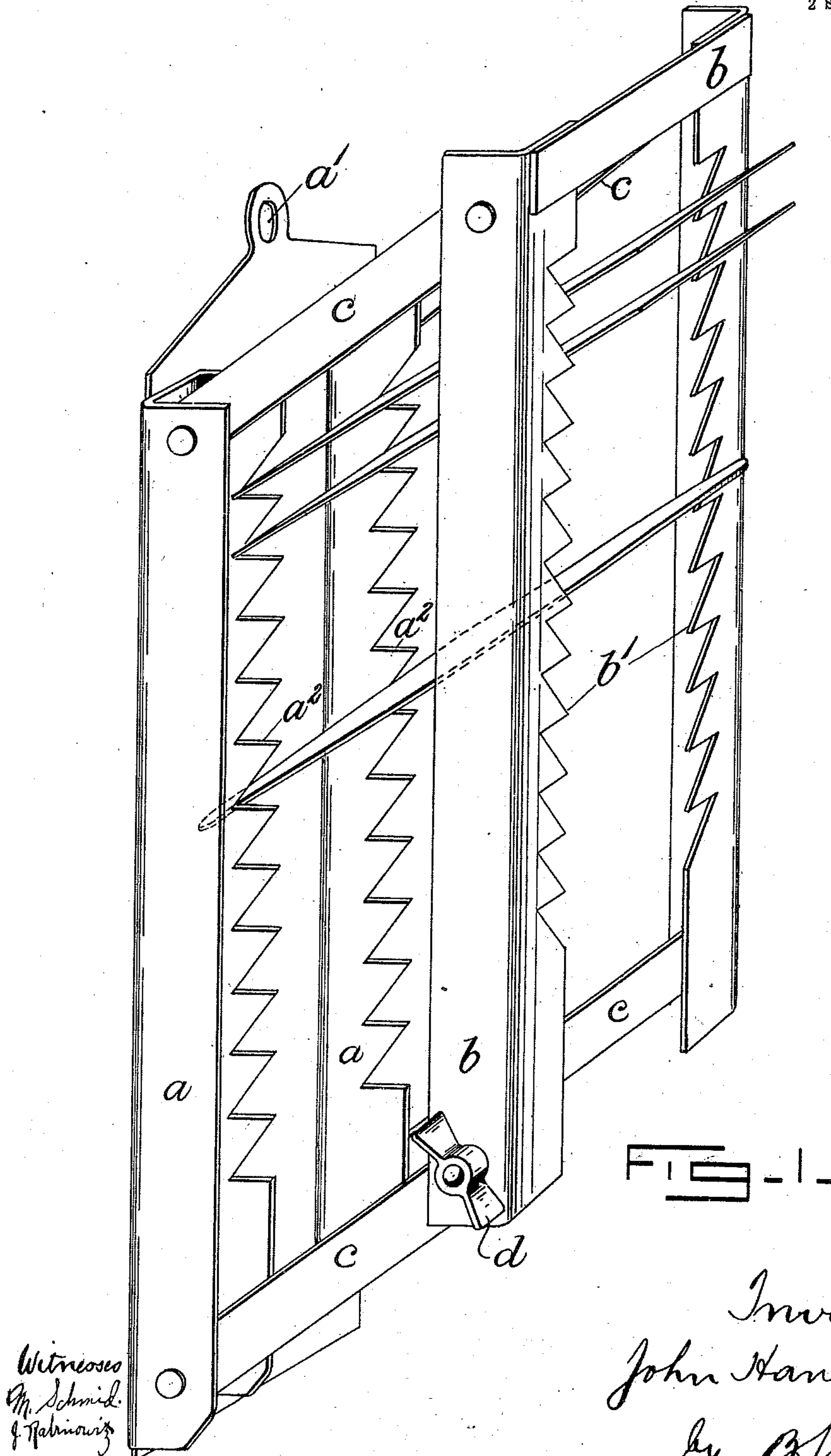


FIG. 1.

Witnesses  
M. Schmid.  
J. H. Cooper.

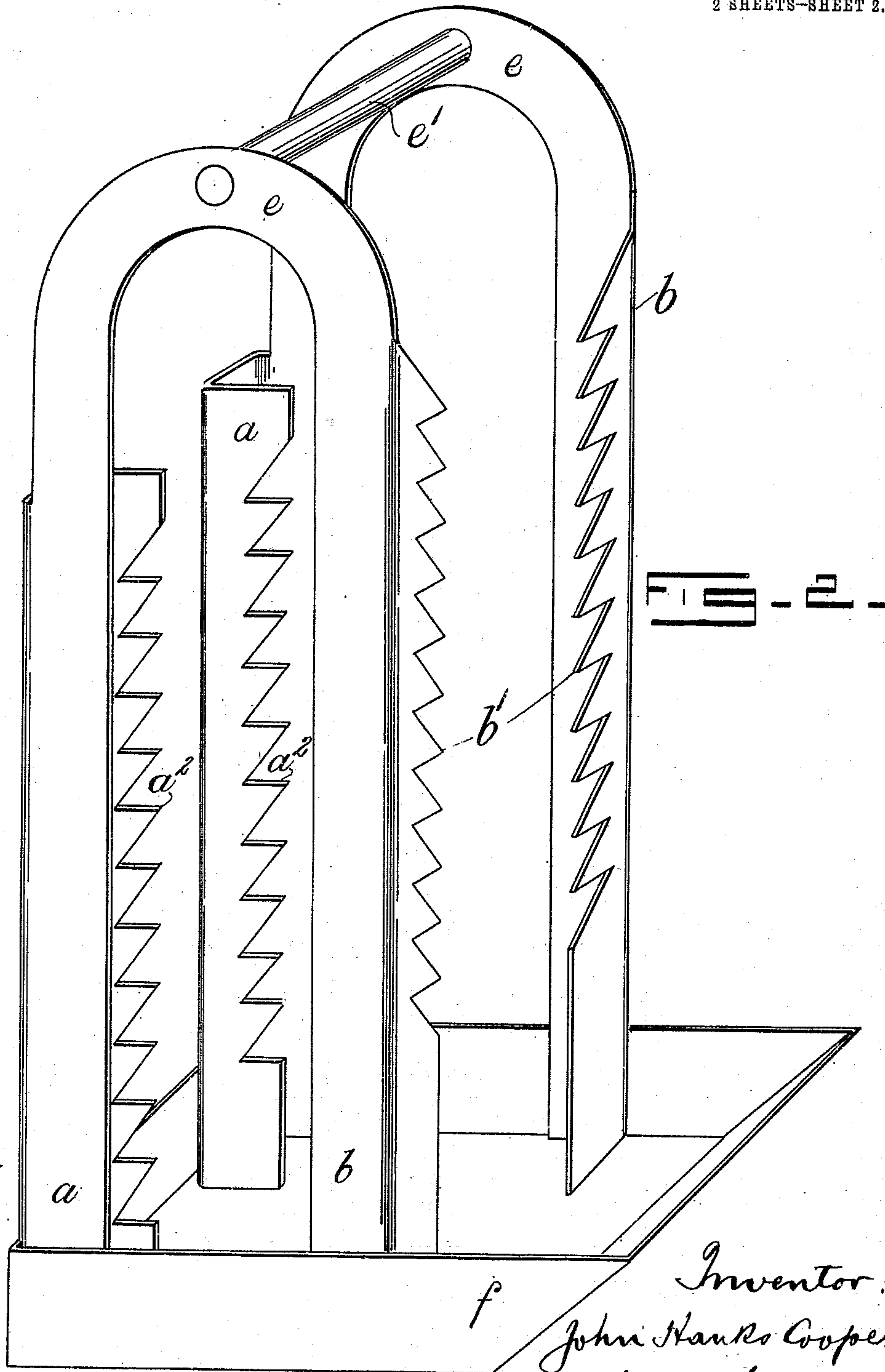
Inventor:  
John Hanko Cooper  
by R. H. King, atty.

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2 SHEETS-SHEET 2.



Witnesses:  
M. Schmid.  
J. Rabinowitz

Inventor:  
John Hanks Cooper  
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# UNITED STATES PATENT OFFICE.

JOHN HANKS COOPER, OF GRAVESEND, ENGLAND.

## DRAINING-RACK.

995,120.

Specification of Letters Patent. Patented June 13, 1911.

Application filed August 8, 1910. Serial No. 576,041.

*To all whom it may concern:*

Be it known that I, JOHN HANKS COOPER, a subject of the King of Great Britain, and resident of Gravesend, in the county of Kent, England, have invented certain new and useful Improvements in Draining-Racks, of which the following is a specification.

This invention relates to an improved draining rack and has reference to draining racks employed for drying plates and the like, and while primarily intended for use by photographers for the drying of photographic plates and the like, my invention may, with slight modifications, be utilized for the draining of ordinary domestic and other plates and dishes.

My invention broadly consists of a rack wherein the plates are supported at their edges at a plurality of positions.

The rack as a whole is preferably of collapsible form and may be constructed to either hang upon a wall or stand upon a suitable base.

In order that my said invention may be more readily understood and carried into practical effect, reference is hereby made to the accompanying sheet of illustrative drawings wherein I have shown by way of example convenient forms of my invention, these forms being particularly designed for use with photographic plates.

In these drawings Figure 1 is a perspective view of a collapsible draining rack designed to hang upon a wall, and Fig. 2 is a perspective view of a draining rack supported upon a base.

Referring to these drawings and particularly to Fig. 1, *a* designates a rear member, including two rack elements to which a front member *b* including two rack elements is pivotally connected by the connecting arms *c*, the arrangement being such that the front and rear members can be collapsed together and contact one with the other when the device is not in use. The rear member *a* is provided preferably at top and bottom with an eye such as *a*<sup>1</sup> by means of which the device as a whole can be conveniently hung upon a wall.

Projecting at right angles to the back plate of the rear member *a* teeth having plate supporting portions such as *a*<sup>2</sup> are provided and these teeth may be attached to or integral with the back plate. The front member *b* of the device is provided with

diametrically opposed rows of teeth having plate supporting portions *b*<sup>1</sup>, these rows of teeth *b*<sup>1</sup> lying in a plane at right angles to the teeth *a*<sup>2</sup> as shown in the drawings. If desirable I may provide a thumb nut *d* operating upon a screw-threaded bolt at one of the pivotal points of the connecting arms *c*, so that when in use the whole structure of the device can be rendered comparatively rigid. In Fig. 2 I have shown a non-collapsible form of my draining rack, and employing as far as possible similar letters of reference to those employed in the description of Fig. 1 *a* designates the rear member and *b* the front member, the two members being connected together at the top by the bridges *e*, a stay *e*<sup>1</sup> being provided to make the structure rigid. At the bottom, the lower ends of the members *a* and *b* are connected to a base *f* which may take the form of a tray as shown. An arrangement of teeth similar to that previously set forth in the description of the form of my invention shown in Fig. 1 is provided. That is to say, the rear member *a* has teeth *a*<sup>2</sup> projecting at right angles to its rear wall, and the front member has opposed teeth *b*<sup>1</sup> lying in the same plane and projecting at right angles to the rear teeth *a*<sup>2</sup>.

In operation the plates are supported in the manner shown in the drawings, their edges being supported upon the horizontal edges of the rear teeth *a*<sup>2</sup> and the inclined edges of the front teeth *b*<sup>1</sup>, which latter it will be noted are cut in the reverse manner to that in which the rear teeth *a*<sup>2</sup> are cut. The arrangement is preferably as shown, so that when the plates are in the rack, they each lie at an angle parallel to the other and one above the other.

By means of a rack of the form hereinbefore set forth, it is possible to dry photographic plates in the correct position film downward, and by reason of the manner in which the plates are supported at their edges by the teeth, no damage can be done to the surfaces of the plates. The rack may also be employed for supporting circular plates at their edges and will be found advantageous particularly for such purposes as the drying of decorated enamel plates.

What I claim as my invention and desire to secure by Letters Patent is:—

1. A plate drying rack of the class described comprising in combination, a sub-



stantially vertically disposed frame having a plurality of rows of rack teeth exceeding two rows in number, said teeth having plate supporting portions with the portions of certain of said teeth angularly disposed with respect to the portions of the remaining teeth, the frames being disposed outwardly with respect to the teeth to permit the plate to span the space between the rows of teeth and rest thereon at more than two points on the plate, substantially as described.

2. A plate drying rack of the class described comprising in combination, a substantially vertically disposed frame structure having a plurality of rows of plate supporting teeth exceeding two rows in number, the frame having an open central space to permit the plate to span the space between the rows of the teeth and rest thereon at more than two points with respect to the plate, said teeth having plate supporting portions and the teeth of one row having their plate supporting portions disposed at an angle to the teeth of another of such rows, substantially as described.

3. A plate drying rack of the class described comprising in combination, pairs of vertically disposed rack elements provided with teeth having plate supporting portions, the supporting portions of the teeth of one pair of elements being horizontally,

disposed and the supporting portions of the teeth of the remaining pair being inclined downwardly.

4. A plate drying rack of the class described comprising in combination, a plurality of pairs of rack elements provided with teeth having plate supporting portions, means for hinging said pairs of elements to each other and maintaining the same in parallel relation, the plate supporting portions of the teeth of one pair facing upwardly and the plate supporting portions of the teeth of the remaining pair being inclined downwardly.

5. A plate drying rack of the class described comprising in combination, pairs of rack elements provided with teeth having plate supporting portions, means for hinging said elements together in parallel relation, means for locking said elements in adjusted positions, the plate supporting portions of the teeth of one pair of elements being horizontally disposed and facing upwardly and the plate supporting portions of the teeth of the remaining pair of elements being inclined downwardly.

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

JOHN HANKS COOPER.

Witnesses:

ALFRED A. THORNTON,  
V. HUGHES.