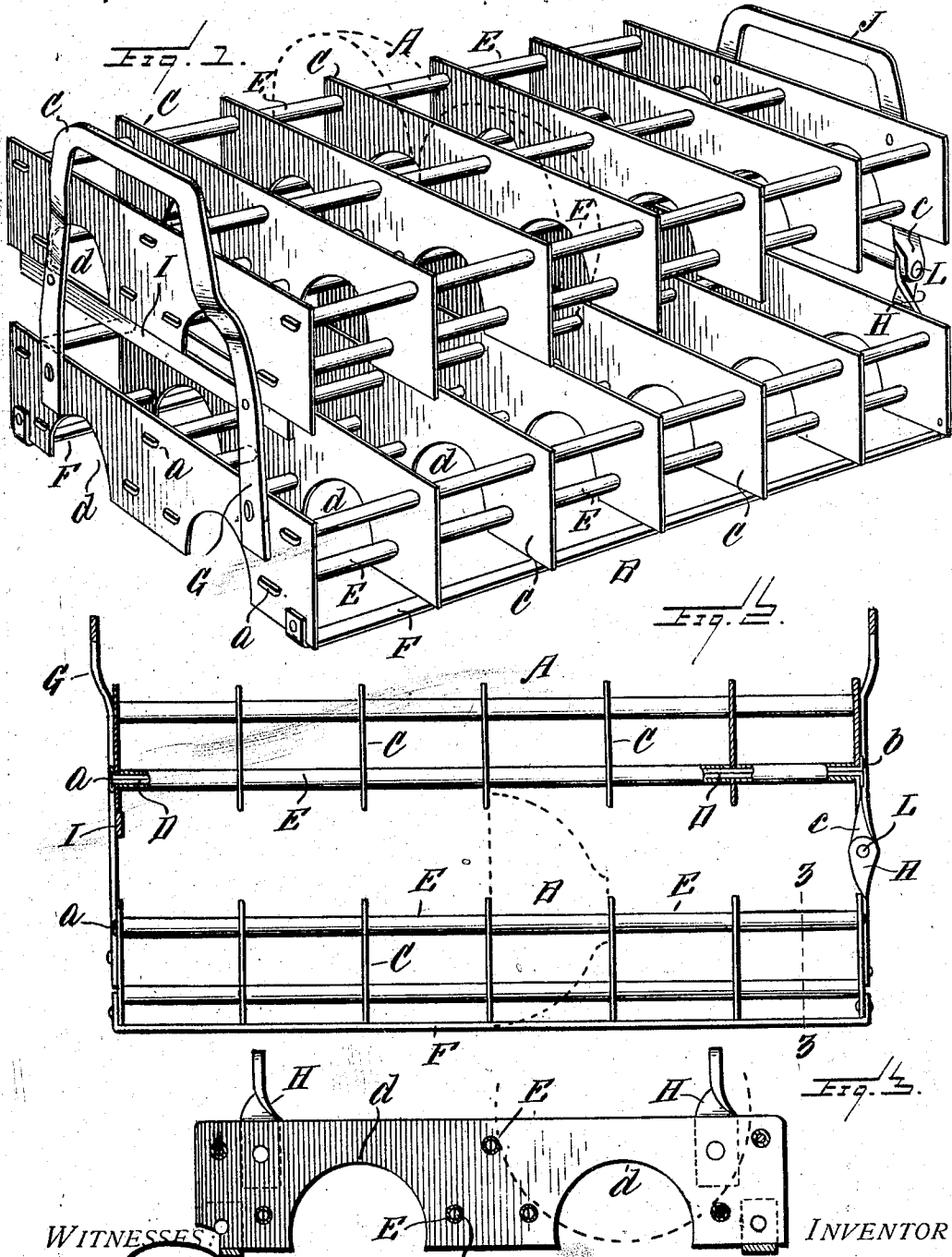


A. INSINGER.
 RACK FOR HOLDING BOWLS.
 APPLICATION FILED MAR. 10, 1908.

936,725.

Patented Oct. 12, 1909.



WITNESSES:

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RACK FOR HOLDING BOWLS.

936,725.

Specification of Letters Patent.

Patented Oct. 12, 1909.

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To all whom it may concern:

Be it known that I, ALFRED INSINGER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Improvement in Racks for Holding Bowls, of which the following is a specification.

This invention relates to racks for holding bowls and similar articles of chinaware and glassware for immersion in the tanks of washing or cleansing machines, and it has for its object to provide a simple, durable and inexpensive rack adapted to so hold the articles that there is little or no liability of cracking, chipping or breaking the same, and in positions which insure that the water in which they are immersed will have free and full access to all parts of the article, and it consists in the parts and combinations of parts hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of improved bowl hold rack-
ing. Fig. 2 is a side elevation of the rack with parts broken away. Fig. 3 is a detail transverse section on the line 3-3, Fig. 2.

Similar letters refer to similar parts throughout the several views.

Referring to the drawings, A represents the upper section and B the lower section comprising my improved rack. These sections are hinged together at one end, as will be described hereinafter, so that the upper section may be raised in order to place the bowls in the lower section. Each of the sections is composed of a series of transversely arranged partition plates C which are spaced apart and held in their upright position by the longitudinally extending bolts or rods D and the sleeves E. The bolts or rods D extend through openings formed in the plates and through the sleeves, the latter being arranged between the plates and bearing there against at each end. The rods or bolts D are preferably formed of a bar of metal bent on itself so that one end may be flattened out to form a head, as at *a*, and the other or split end separated and bent in opposite directions and hammered flat, as at *b*, in order to secure the plates firmly in position against the ends of the sleeves E. The

lower section is further secured or tied together by the bars F extending the full length of the rack and having their ends bent up and riveted to the outer or end plates at each end of the rack. The bars F also serve as a bottom or wearing surface for the rack.

At one end of the lower section a handle G is firmly riveted to the end plate, and to the plate at the other end of said section the perforated ears H are riveted, said ears being extended above the top of the plate. To the handle G is secured a bar I which forms a rest or support for one end of the upper section of the rack, and to the plate at the other end of said section a handle J is secured, the lower portion or ends of which are perforated and extend down to the ears H and are pivotally connected therewith by a pin L in order to form a hinge joint between the two sections, whereby the upper section may be raised or tilted for the purpose of loading the lower section with bowls and unloading the same therefrom.

Each of the partition plates is formed with the recesses *d* in their lower edges which coincide in location with the pockets or spaces formed or outlined by the sleeves and the partition plates for the reception of the bowls. The sleeves are arranged so that the bottom row of each section supports the bowls while the sides of the bowls rest against the upper row of sleeves and the bottom and top of the bowls rest against the adjacent partition plates, as clearly indicated by dotted lines in the drawings.

The pockets of the lower section are first filled with bowls and the upper section is then lowered on the bottom section and its pockets filled.

It will be noticed that the arrangement and construction of the parts forming the rack are such that the bowls are exposed at all points to the water when the rack is lowered into the washing and rinsing tanks, and that the bowls are firmly held against movement in the pockets and that they are so separated from each other that they do not touch at any point, thus providing against chipping, cracking, and breaking the articles by contact with each other.

Having thus described my invention what

I claim as new and desire to secure by Letters Patent is:

A rack for holding bowls, for immersion in tanks of washing or cleansing machines, comprising two sections hinged together at one end, each of said sections consisting of a series of partition plates having recesses in their lower edges, sleeves separating said plates, bolts extending transversely through

said plates and through said sleeves to tie the whole together, and handles secured at each end of said rack.

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

ALFRED INSINGER.

Witnesses:

S. G. POLLOCK,
C. R. KLOTZ.