June 27, 1939. D. H. BITNEY 2,163,865

DISH DRAINING RACK

Filed April 21, 1938

Fig. 1

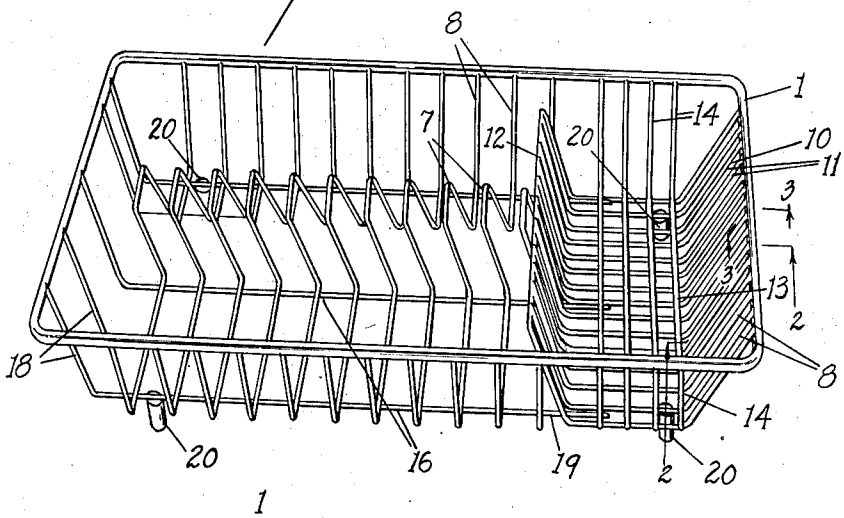
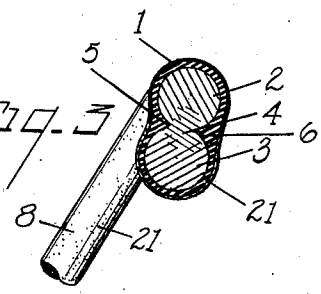


Fig. 3



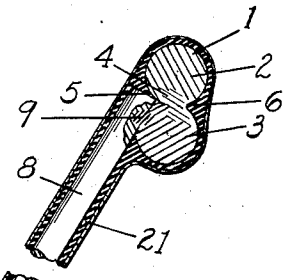
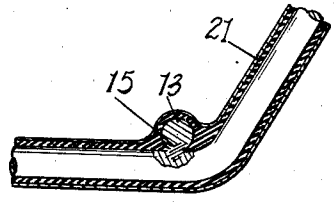


Fig. 2



INVENTOR.
Dewey H. Bitney

BY Earl & Chappell

ATTORNEYS

Patented June 27, 1939

2,163,865

UNITED STATES PATENT OFFICE

2,163,865

DISH DRAINING RACK

Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich., a corporation of Michigan

Application April 21, 1938, Serial No. 203,267

7 Claims. (Cl. 141—11)

This invention relates to improvements in dish draining racks.

The main objects of this invention are:

First, to provide an improved dish draining rack in which there are no projecting parts that are likely to injure or chip dishes when they are being placed in or removed from the rack.

Second, to provide an improved dish draining rack which is very attractive in appearance and at the same time strong and durable and one that may be economically produced.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A preferred embodiment of the invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a perspective view of a dish draining rack embodying the features of my invention.

Fig. 2 is an enlarged fragmentary view partially in section on line 2—2 of Fig. 1.

Fig. 3 is an enlarged detail section on line 3—3 of Fig. 1.

The embodiment of my invention illustrated comprises a border rim designated generally by the numeral 1 which comprises a pair of superimposed border rods 2 and 3 secured together by welding as indicated at 4. These border members are formed of light rods or heavy wire and when secured together provide an inwardly facing recess 5. The rods thus secured together provide a stiff rim, the inwardly facing recesses 5 and the corresponding outwardly facing recesses 6 being adapted to receive a substantial body of plastic coating material as hereinafter described.

The rack members 7 are provided with upturned end portions 8 which are disposed on the inner sides of the lower border member 3 and secured thereto by welding as indicated at 9, the ends of the parts 8 extending into the recesses 5 so that the upper border or rim member constitutes a guard therefor.

The spoon rack designated generally by the numeral 10 comprises a plurality of U-shaped wire members 11 connected at their inner ends by the cross piece 12, their outer ends 8 being arranged on the inner side and secured to the bottom border member as has been described.

The transverse rack members 13 are provided with upturned ends 14 which are arranged as described for the upturned ends of the rack members. These members 13 are arranged transversely of the members 11 and secured to their horizontal portions by spot welding as indicated at 15.

The supporting rods 16 are arranged below the rack members 7 and have upturned ends 18 arranged and secured as described for the member 8 to the border members. The horizontal portions 19 of these supports are secured to one of the members 13. Feet 20 are preferably provided, these being in the embodiment illustrated secured to the horizontal parts 19 and to certain of the U-shaped spoon rack members.

The whole structure is thus formed of wire or light rods and the parts rigidly secured together preferably by spot welding. The entire structure is then coated preferably by dipping in a plastic coating material, preferably of rubber composition or some composition that remains resilient, this coating being indicated at 21. It will be noted that it fills in the recesses 5 and 6, covers the ends of the parts that are secured to the bottom rim member, thus covering all the joints between the parts and providing a relatively smooth exterior which is desirable not only from the standpoint that all crevices and recesses are eliminated and thus the structure rendered more sanitary but also providing a structure in which there are no projecting parts that are likely to result in chipping or breaking of dishes.

I have illustrated and described my improvements in a very practical embodiment thereof. It is believed that the disclosure will enable those skilled in the art to embody or adapt the same as may be desired.

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

1. In a dish draining rack, the combination of a rim comprising superimposed border rods fixedly secured together by welding, spaced wall members having outwardly inclined side will portions disposed with their upper ends on the inner sides of the bottom border rod and welded thereto with the upper border rod at least partially overhanging the ends of the wall members, and a plastic coating for said rim and wall members filling the recesses resulting from the joining of said members.

2. In a dish draining rack, the combination of a rim comprising superimposed border rods fixedly secured together by welding, and spaced wall members having outwardly inclined side wall portions disposed with their upper ends on the inner sides of the bottom border rod and welded thereto with the upper border rod at least par-

tially overhanging the ends of the wall members.

3. In a dish draining rack, the combination of a rim comprising superimposed border rods fixedly secured together, spaced wall members having side wall portions disposed with their upper ends on the inner sides of the bottom border rod and fixedly secured thereto with the upper border rod overhanging and constituting a guard for the ends of the wall members, and a coating for said rim and wall members filling the recesses resulting from the joining of said members.

4. In a dish draining rack, the combination of a rim comprising superimposed border rods fixedly secured together, and paced wall members having side wall portions disposed with their upper ends on the side of the bottom border rod and fixedly secured thereto with the upper border rod overhanging and constituting a guard for the ends of the wall members.

5. In a dish draining rack, the combination of a rim comprising superimposed rim members of curved cross section fixedly secured together to provide a recess between the curved surfaces of said members, and spaced wire rack members having upturned ends disposed on the inner sides of the lower rim member and extending into the recess resulting from the superimposing of the rim members, the upper rim member constituting a guard for the ends of the rack members.

6. In a dish draining rack, the combination of a rim comprising juxtaposed border rods of circular section fixedly secured together to provide a recess between the curved surfaces thereof, and spaced rack members of wire having upturned ends disposed in said recess, one of said border members constituting a guard for the ends of the rack members, and a continuous plastic coating of yielding material covering said rim and rack members and filling in the recesses resulting from the joining of the said rim and rack members.

7. In a dish draining rack, the combination of a rim comprising superimposed border rods of circular section fixedly secured together to provide a recess between the curved surfaces thereof, and spaced rack members of wire having upturned ends disposed in said recess, one of said members constituting a guard for the ends of the rack members.

DEWEY H. BITNEY.