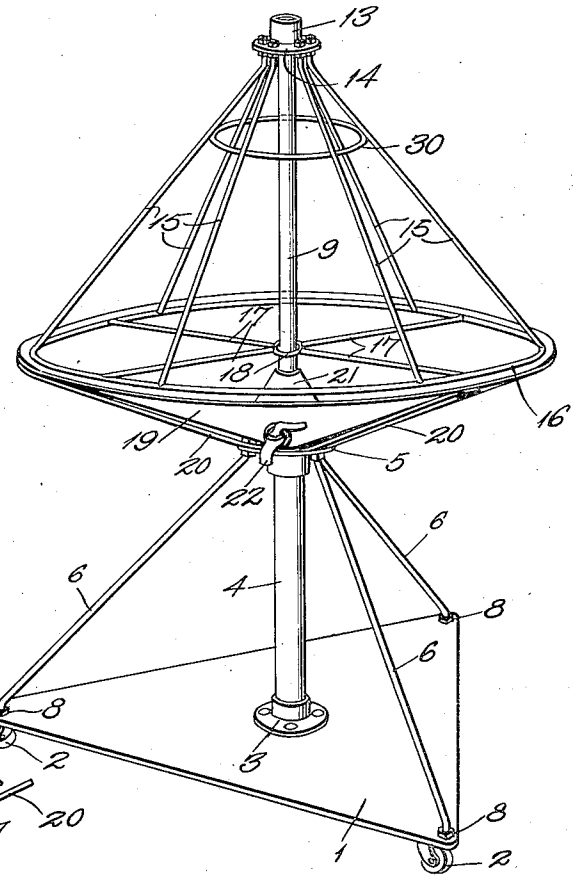
Dec. 24, 1935. L. R. BRADFORD 2,025,639.

DRAINING RACK

Filed Sept. 6, 1934

Fig. 1.



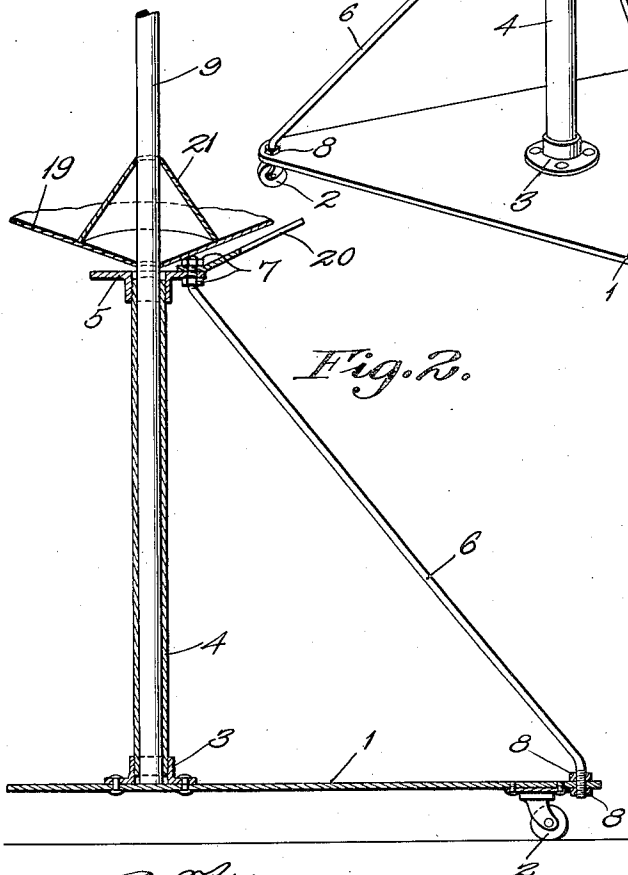
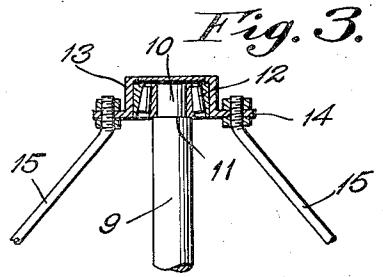


Fig. 2.

Fig. 3.



Leo R. Bradford

INVENTOR

BY Victor J. Evans & Co.

ATTORNEY

R. E. Wise

WITNESS:

Patented Dec. 24, 1935 2,025,639

UNITED STATES PATENT OFFICE

2,025,639

DRAINING RACK

Leo R. Bradford, Oregon, Mo.

Application September 6, 1934, Serial No. 742,974

4 Claims. (Cl. 221—69)

This invention relates to racks for draining uncapped frames of honey before they are placed in the extractor, and has for its object the provision of a simple and inexpensive device which may be easily manipulated to transfer frames from a loading point to an unloading point. Other objects will appear incidentally in the course of the following description, and the invention resides in certain novel features which will be particularly defined in the appended claims.

In the annexed drawing:

Figure 1 is a perspective view of a rack embodying the invention.

Figure 2 is a view, partly in section and partly in elevation, of the lower part of the device on a larger scale.

Figure 3 is an enlarged detail section of the upper end of the device.

In the construction of a rack according to the present invention, there is provided a base plate 1 which is shown as triangular and is mounted on casters 2 so that it may be easily moved out of the way when not in use or from point to point when in use. At the center of the base plate, a socket or bearing cup 3 is rigidly secured thereon, and a tubular post 4 is fitted at its lower end in said socket. At the upper end of the post is secured a flange 5 and bracing rods 6 extend from said flange to the base plate in divergent relation, the ends of the rods extending through the flange and the base, respectively, and being equipped with nuts 7, 8, whereby they will be very firmly secured and a strong structure will be produced. A standard 9 is fitted snugly in the post 4 and projects above the upper end of the same, being reduced at its upper end to provide a tenon 10 and an annular shoulder 11 to receive and support a roller bearing 12, as shown in Figure 3. Encircling and carried by the bearing 12 is a cap 13 having an annular flange 14 at its lower end and in said flange are secured the upper ends of divergent hangers 15 which are preferably light rods and have their lower ends united, by soldering or otherwise, to a ring 16 of similar material. Radial rods 17 have their outer ends united to the ring 16 and their inner ends formed into an eye 18 which encircles the standard 9. Immediately below the ring 16 is a pan 19 of inverted conical form rigidly supported by flat bars 20 having their lower inner ends engaged over the upper ends of the braces 6 and secured by the nuts 7, said bars or arms extending upwardly and outwardly and having their upper outer ends secured by cap screws or similar fastenings to the under side of the pan at the edge thereof. To prevent the honey from collecting around the standard 9, a conical shield 21 is secured upon the pan and the edge of this shield rests on the pan and is preferably sealed thereto. At the edge of the shield, an outlet opening is formed in the pan and a faucet 22 is fitted to the opening. If preferred, the conical shield may be set eccentrically so as to provide a definite low point and the outlet will be located at the low point.

The honey frames are placed on edge upon the ring 16 and inclined inwardly to rest at their upper ends upon the upper ring 30, until they can be put in the extractor, and the honey which drips from the frames will be caught in the pan to be drawn off through the outlet faucet which may be connected through a small tube with the extractor to avoid unnecessary handling of the honey. By the use of this device, it is possible to load the device at a position directly adjacent the uncapping knife and unload into the extractor, as the rack turns very easily on the roller bearing 12.

Having described my invention, what I claim is:

1. A device for the purpose set forth comprising a portable base, a post erected on the base, a pan supported on the upper end of the post, a standard fitted in and rising from the post, and a rack rotatably suspended on the upper end of the standard to support honey frames immediately over the pan.

2. A draining device comprising a base, a post secured to and rising from the base, a flange surrounding the upper end of the post and fixed thereto, braces for the post and extending between the flange and the base, a standard fitting in and projecting above the post, an outwardly flared supporting rack rotatably mounted on and suspended from the upper end of the standard in a manner to surround the same, a liquid receiving pan underlying the rack and secured to the standard, and supporting means for the outer edges of the pan and secured to the latter and the flange.

3. A draining device comprising a base, upright means secured to and rising therefrom, a flange secured to and surrounding the upright means between its ends, arms secured to and radiating at an upward inclination from the flange, an inverted conical shaped liquid pan surrounding the upright means with its inner edge secured thereto and secured at its outer edge upon the outer ends of said arms, a conical shaped shield overlying the juncture of the pan with the upright

means to prevent leakage between the latter and the pan, controlled outlet means for the pan and extending therefrom adjacent to the juncture of the outer edge of the shield therewith, and a supporting rack suspended over the pan and secured to and extending in diverging relation from the upper end of the upright means.

4. A draining device comprising a portable base, upright means secured to and rising therefrom, an inverted conical shaped liquid receiving pan secured to and extending from the upright means at an intermediate point in the height thereof, a supporting rack rotatably hung on the upper end of the upright means, and including a series of hangers diverging downwardly therefrom, a ring fixed to the lower end of the hangers immediately over the pan, and radially disposed rods secured to and extending horizontally from the ring to the upright means, and means surrounding the upright means for rotation and having the inner ends of the rods secured thereto.

LEO R. BRADFORD.