

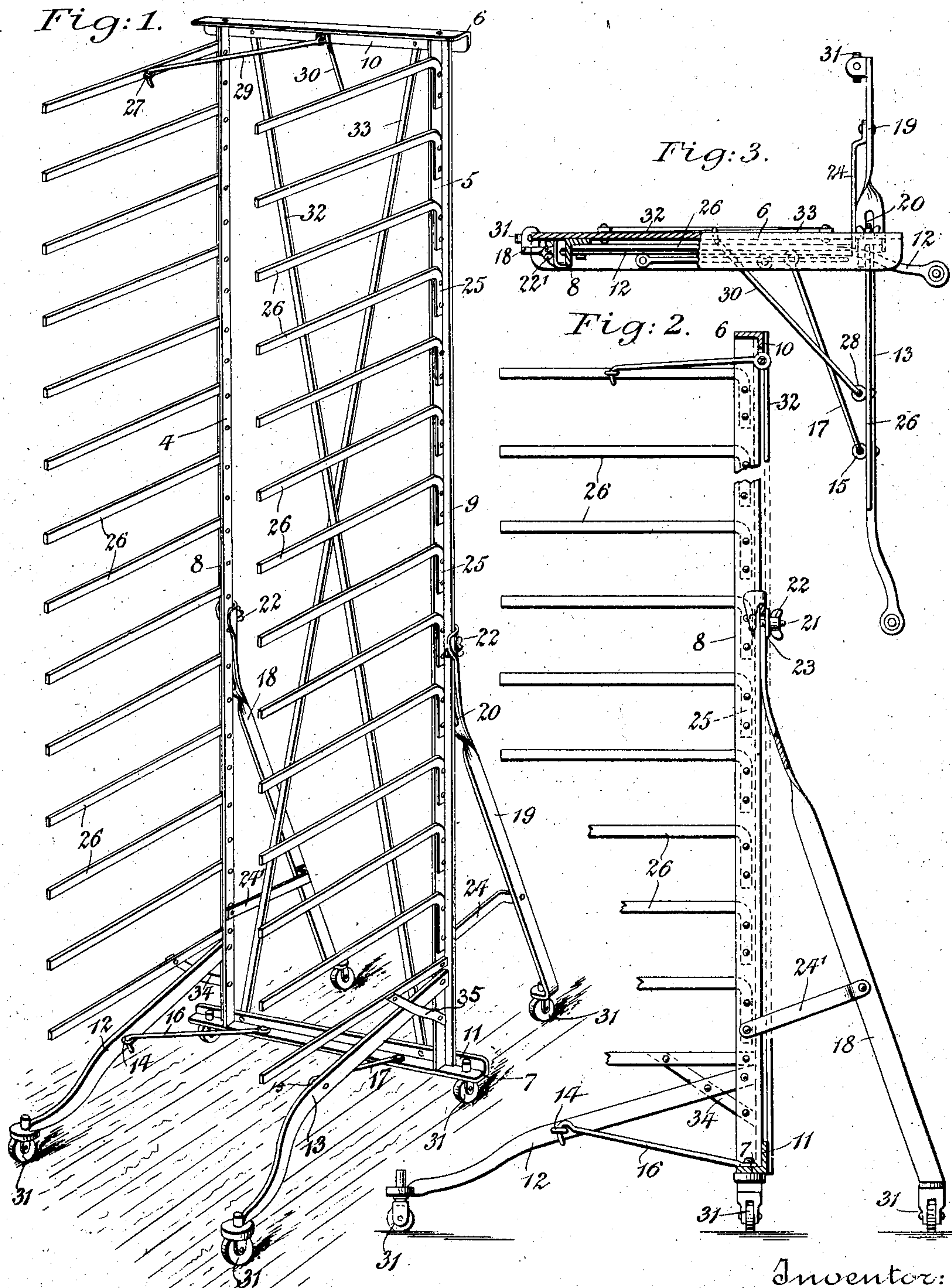
No. 834,057.

PATENTED OCT. 23, 1906.

F. G. HOERLEIN.

RACK.

APPLICATION FILED DEC. 26, 1905.



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# UNITED STATES PATENT OFFICE.

FRANK G. HOERLEIN, OF NEW YORK, N. Y.

## RACK.

No. 834,057.

Specification of Letters Patent.

Patented Oct. 23, 1906.

Application filed December 26, 1905. Serial No. 293,205.

*To all whom it may concern:*

Be it known that I, FRANK G. HOERLEIN, a citizen of the United States, and a resident of the borough of Brooklyn, city and State of New York, have invented certain new and useful Improvements in Racks, of which the following is a specification.

This invention relates to racks, and more particularly to what are known as "pan-racks," commonly used by bakers, confectioners, and the like to cool, display, or conveniently store their wares. Heretofore these racks have generally been made of wood, are large and more or less cumbersome in structure, and have been designed to be permanently secured to the wall of the shop or bake-room.

The object of this invention is to provide a portable rack which may be readily moved about from one place to another in a room and which when not in use may be folded into exceedingly compact form, occupying but little floor-space, and therefore capable of being readily stored away or placed to one side.

With the above and other ends in view my invention consists in a rack possessing the features shown in the drawings, hereinafter described in detail, and particularly pointed out in the claims.

My invention will be more readily understood by reference to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a perspective view of a rack embodying my invention open and ready for use. Fig. 2 is a vertical section, partly broken away, showing one of the counterpart halves of the rack. Fig. 3 is a partly-sectional top plan view of the rack with one side or wing thereof folded.

My improved rack is preferably constructed entirely of wrought-iron, the various parts being as light in weight as compatible with the requisite strength. The rack comprises a pair of angle-iron uprights 4 and 5, each thereof being pivoted at each end in the top and bottom bars or members 6 and 7, respectively. These top and bottom bars or members 6 and 7 are similarly of angle-iron, and it will be noted that the flanges or wings 8 and 9 of the uprights 4 and 5, respectively, constitute stops cooperating with the flanges or wings 10 and 11 of the bars 6 and 7, respectively, to limit rotation of said uprights in either direction.

Suitably secured to the uprights 4 and 5,

near the bottom ends thereof, are the forwardly-projecting legs 12 and 13. Each of these legs is provided with an eye 14 and 15, respectively, adapted to receive the hooks 16 and 17, respectively, suitably looped in or pivoted to the bottom bar 7, which are adapted to brace said legs.

I have shown my rack provided with a pair of auxiliary legs or braces 18 and 19, which instead of being permanently fixed or secured to the uprights 4 and 5 are each provided with slightly-bent and transversely-flattened portions at its upper end having an elongated slot 20 therein. Within this slot is the pin 21, projecting from the rear face of each upright, which pin is provided with screw-threads at its extremity, whereby a thumb-screw 22 may be tightened against a washer 23 to clamp the end of each auxiliary leg firmly against its respective upright. Pivoted braces 24 give stability and rigidity to the leg.

When it is desired to place the rack against the wall or fold the same when not in use, the thumb-screw 22 may be released to permit of the raising of the leg until it lies close and substantially parallel to the upright, the slot 20 being long enough to provide for raising and lowering through the proper distance. Suitably secured to each of said uprights 4 and 5, preferably by means of rivets through a bent portion 25, are a plurality of arms 26, arranged in pairs and projecting outwardly when the device is in a normally open or operative position. These arms are obviously designed to provide the temporary support for bake-pans, or for temporary shelves, or for any other form of article or articles which they may be adapted by their nature to support. The top bars or arms are provided with eyes 27 and 28 for hook-braces 29 and 30, pivoted or looped in the top bar 6 of the rack-frame.

The bottom member or support 7, the forwardly-projecting legs, and the auxiliary legs or braces are all preferably provided with suitable casters 31, and I prefer to further give the frame rigidity by providing a pair of cross-braces 32 and 33. Small strips 34 and 35, each secured at each end to the lower arms and the upright, respectively, further tend to give rigidity to the structure and particularly to the forwardly-projecting legs.

When it is desired to fold the rack when not in use, the hooks 16 and 29 on one side of the device are withdrawn from their respec-



tive eyes, which permits of the upright 4 being swung inwardly with its bars or arms and the leg 12. The auxiliary leg 18 is folded up against the upright 4, as explained. 5 The position of the various parts is now fully illustrated in Fig. 3. I have not shown the opposite counterparts folded on account of the resulting confusion of lines; but it is obvious that these parts are folded in a precisely similar manner, whereby the whole rack will occupy but little more floor-space than is required for the bottom member 7 alone.

Many modifications of the minor details of my improved rack will doubtless readily suggest themselves to those skilled in the art to which it appertains, and I therefore do not desire to limit my invention to the specific construction herein shown and described.

20 Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A portable rack, comprising a frame consisting of upper and lower bars and two 25 uprights pivoted at their ends in said bars, projecting arms secured to the uprights, and front and rear bracing-legs secured to the uprights, said arms and legs being movable with the uprights to be either at substantially right angles to the upper and lower bars or substantially parallel therewith.

2. A portable rack, comprising a frame consisting of upper and lower bars and two uprights pivoted at their ends in said bars, 35 projecting arms rigidly secured to the uprights at intervals throughout their length, front bracing-legs rigidly secured to said uprights, said arms and legs being movable with the uprights to be either at substantially right angles to the upper and lower bars or substantially parallel therewith, and 40 detachable braces for holding said legs and

arms at right angles to the upper and lower bars.

3. A portable rack, comprising a frame 45 consisting of upper and lower bars, and two uprights pivoted at their ends in said bars, projecting arms secured to the uprights, front bracing-legs rigidly secured to the uprights, rear bracing-legs movably connected 50 to said uprights, said arms and legs being movable with the uprights to be either at substantially right angles to the upper and lower bars or substantially parallel therewith.

4. A portable rack, comprising a frame 55 consisting of upper and lower bars, and two uprights pivoted at their ends in said bars, projecting arms secured to the uprights, front bracing-legs rigidly secured to the uprights, rear bracing-legs having a slot-and-pin 60 connection at their upper ends to the respective uprights and pivoted braces connecting said rear bracing-legs and said uprights and operating to hold the lower ends of said bracing-legs away from the uprights, 65 and also to permit said lower ends to move toward said uprights when the upper ends of said bracing-legs are moved upwardly.

5. A portable rack, comprising a frame consisting of upper and lower bars, and two 70 uprights pivoted at their ends in said bars, said upper and lower bars and said uprights being made of angle-iron, and the vertical members of said bars serving to limit the pivotal movement of said uprights in either direction. 75

In witness whereof I have signed my name to the foregoing specification in the presence of two subscribing witnesses.

FRANK G. HOERLEIN.

Witnesses:

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J. C. CONRAD.