

June 19, 1951

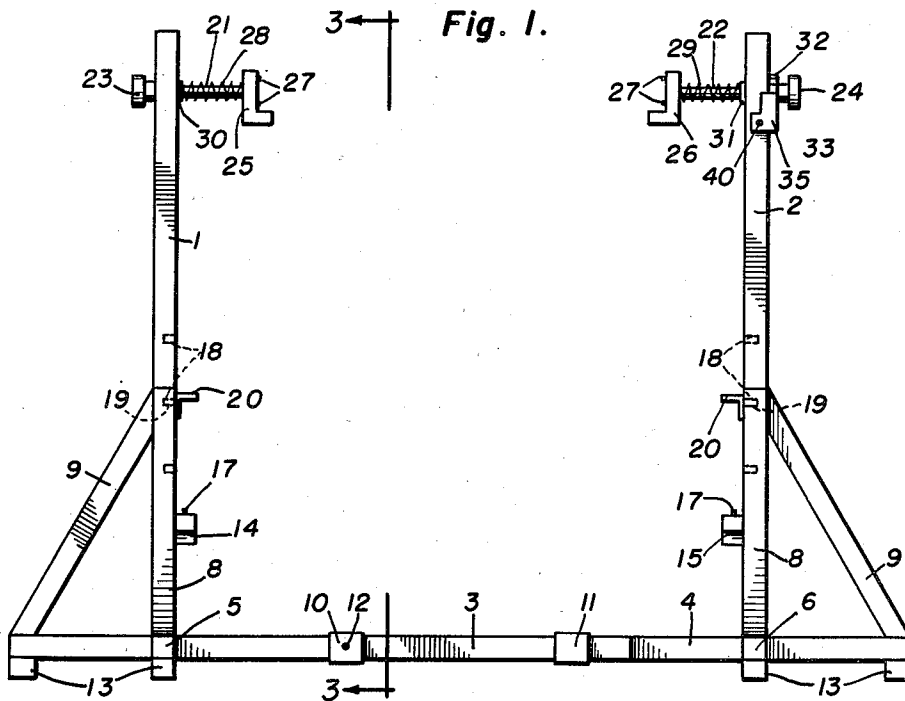
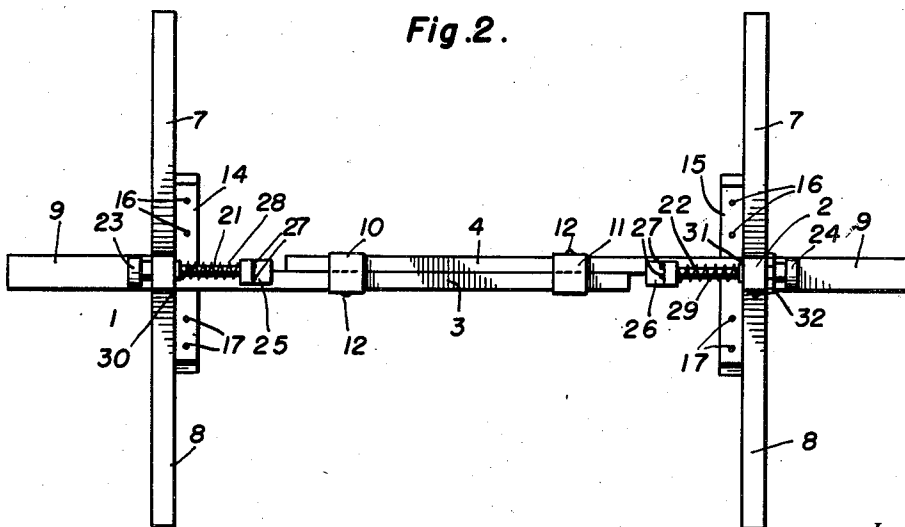
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2,557,231

ROTATABLE WORK SUPPORTING STAND FOR PAINTERS

Filed March 12, 1947

2 Sheets-Sheet 1



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Fig. 3.

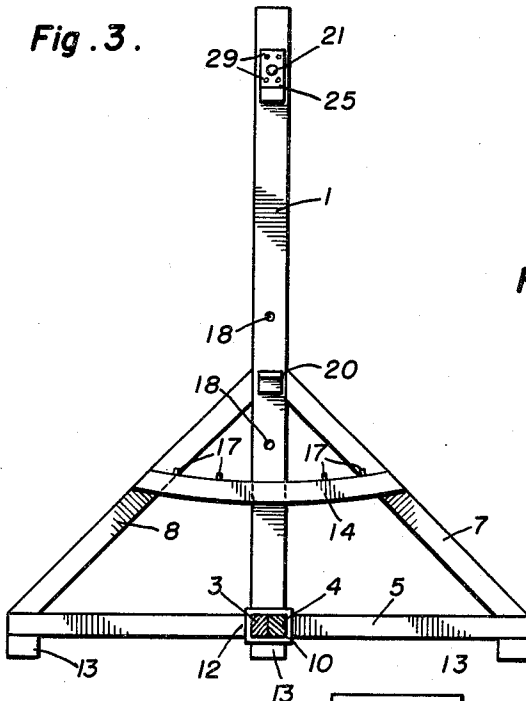


Fig. 5.

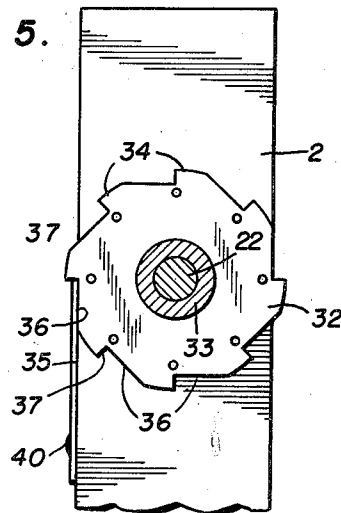
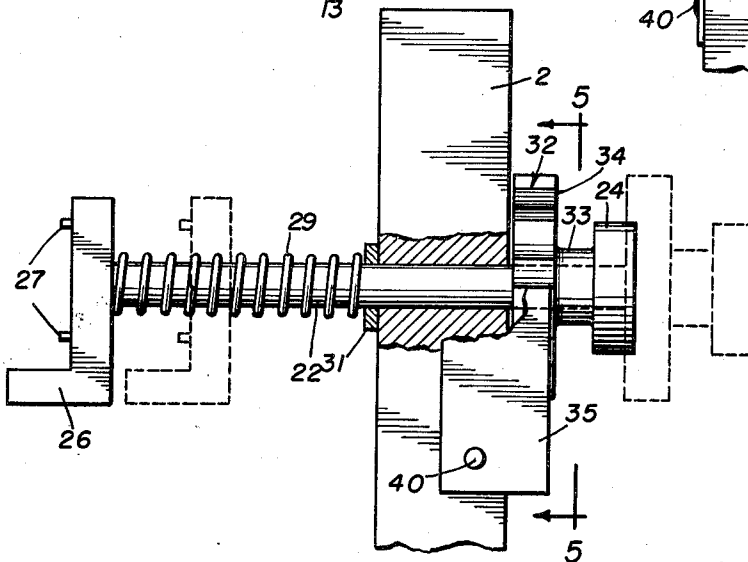


Fig. 4.



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ROTATABLE WORK SUPPORTING STAND
FOR PAINTERS

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Application March 12, 1947, Serial No. 734,099

2 Claims. (Cl. 144—288)

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This invention relates to improvements in painters' utility racks.

An object of the invention is to provide an improved painter's utility rack which will be used for supporting window screens and other articles while painting the same.

Another object of the invention is to provide an improved adjustable utility rack for painters for supporting various sizes of window screens and other articles while painting one side thereof, after which the screen or article being supported may be rotated upon a horizontal axis to present the other side for painting.

A further object of the invention is to provide an improved extensible and adjustable utility rack for painters having means for rotatably supporting window screens and other articles in any desired position while painting one side thereof, after which the screen or article being supported may be rotatably moved to present the other side at the desired angle for painting, and said rack having resiliently tensioned horizontally disposed clamping jaws which will be held in the desired position by means of a ratchet wheel operatively associated with one jaw or head and a cooperating leaf spring locking finger engageable with said ratchet wheel.

Another object of the invention is to provide an improved adjustable utility rack for painters which will be highly efficient in operation, and relatively inexpensive to manufacture and produce.

Other objects will appear as the description proceeds.

In the accompanying drawings which form a part of this application,

Figure 1 is a side elevation of the improved utility rack for painters;

Figure 2 is a top plan view of the improved utility rack for painters;

Figure 3 is a sectional view taken on the line 3—3 of Figure 1;

Figure 4 is an enlarged detail view shown partly broken away and in section of one of the axially and rotatably supported work supporting jaws or heads with its cooperating locking ratchet, and

Figure 5 is a view taken on the line 5—5 of Figure 4.

Like characters of reference are used throughout the following specification and the accompanying drawings to designate corresponding parts.

In carrying out the invention, there is provided an improved form of utility rack for painters or other mechanics comprising a pair of vertical

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standards 1 and 2 which are secured to the longitudinally extending base members or rails 3 and 4 respectively, at points spaced inwardly from the outer ends of said members or rails.

Transverse members or rails 5 and 6 are provided and extend laterally from the opposite sides of the vertical standards 1 and 2, being attached thereto in any desired manner and extending on a common plane with the base members or rails 3 and 4.

Angularly disposed braces 7 and 8 are connected between the vertical standards 1 and 2 and the outer ends of the transverse members or rails 5 and 6, and similar braces 9 are secured between said standards 1 and 2 and the outer ends of the base members or rails 3 and 4 to provide a pair of strong reinforced work supporting standards.

In use, the base members or rails 3 and 4 are adapted to extend parallel to each other, being slidably adjustable toward and away from each other by means of the guide collars 10 and 11 secured to the rails 3 and 4 by means of the fasteners or bolts 12.

Suitable supporting feet 13 are secured to the undersurface of the base rails 3 and 4 and to the transverse rails 5 and 6 to support the rack in spaced position above the ground or the supporting surface upon which the rack is disposed.

The arcuate bowed supporting rack strips 14 and 15 are secured to the inner edges of the standards 1 and 2 and to the inner edges of the angularly disposed braces 7 and 8, and are formed with a plurality of spaced sockets 16 in their upper surfaces in which the metal work positioning and supporting pins or pegs 17 are adapted to be selectively positioned for supporting the work in the utility rack while it is being painted.

A series of inwardly extending vertically spaced bores 18 are formed in the inner surface of the vertical standards 1 and 2 above the rack strips 14 and 15, for selectively receiving the pins 19 secured to the angle brackets 20, also used for supporting the work while it is being painted.

A pair of shafts 21 and 22 are slidably mounted through the upper ends of the standards 1 and 2, and are provided with the operating handles or knobs 23 and 24 respectively, upon their outer ends.

L-shaped work supporting jaws or heads 25 and 26 are secured to the inner ends of the shafts 21 and 22, and support a plurality of inwardly directed pins 27 upon their inner surfaces for more firmly supporting the work when positioned between the jaws or heads.

Coil springs 28 and 29 are disposed respectively

about the shafts 21 and 22 between the washers 30 and 31 positioned upon said shafts next to the standards 1 and 2 and the outer surfaces of said jaws or heads 25 and 26 for resiliently urging said jaws or heads toward their innermost position.

A ratchet wheel 32 is formed integrally with the knob 24, being spaced inwardly therefrom by means of the collar 33, and is formed with a plurality of ratchet teeth 34, which are engageable by the leaf spring 35 secured to the vertical standard 2 by means of the fastener 40. The ends of the leaf spring 35 will rest upon the flat side 36 of the ratchet teeth 34 with the end of the spring 35 abutting the flat sides 37 of said teeth 34, thereby providing a two-side locking surface for preventing backward movement of the work supporting jaw or head 26 when work is being held and secured between the jaws or heads 25 and 26.

In operation, the standards 1 and 2 will be separated the approximate distance apart to hold the work which is to be painted, after which one end of the work will be placed between the jaws or heads 25 and 26 after the same have been retracted against the tension of the coil springs 28 and 29. The pressure of said springs upon the jaws or heads will positively clamp the work (not shown) tightly in position, and the lower end of the work will be supported upon the arcuate bowed rack strips 14 and 15 in contact with the adjustable pins or pegs 17.

The oppositely disposed angle brackets 20 are provided for supporting work in a horizontal plane at the desired height to efficiently work upon the same.

The work when supported between the rotary jaws or heads may be painted on one side, after which the jaws or heads may be rotated to present the other side of the work for painting, thus making it unnecessary to physically touch or handle the work to adjust the same after it has been once placed in the utility rack.

From the foregoing description, it will be apparent that there has been devised and provided a highly efficient form of utility rack for painters and other mechanics.

While the preferred embodiment of the instant invention has been illustrated and described, it will be understood that it is not intended to limit the scope of the invention thereto, as many minor changes in detail of construction may be

resorted to without departure from the spirit of the invention.

Having thus described my invention what I claim as new and desire to secure by Letters Patent of the United States is:

1. A painter's utility rack comprising a pair of interconnected vertical standards having longitudinally extending parallel base rails, means for securing said rails together for slidable adjustment of said standards toward and away from each other, transverse rails extending laterally of said standards, braces connected between said vertical standards and said rails, arcuate bowed work supporting strips mounted on the lower ends of said vertical standards having spaced sockets formed therein, and work supporting pins selectively received in said sockets and oppositely disposed spring projected work supporting heads slidably and rotatably mounted through the upper ends of said vertical standards.

2. A painter's utility rack comprising a pair of interconnected vertical standards having longitudinally extending parallel base rails, means for securing said rails together for slidable adjustment of said standards toward and away from each other, transverse rails extending laterally of said standards, braces connected between said vertical standards and said rails, arcuate bowed work supporting strips mounted on the lower ends of said vertical standards having spaced sockets formed therein, and work supporting pins selectively received in said sockets and means slidably and rotatably mounted at the upper ends of said standards for rotatably supporting work to be painted and for rotating said work after one side thereof has been painted for presenting the opposite side for painting.

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