Oct. 23, 1951 M. J. ZIMMER 2,572,797

WALL FIXTURE

Filed July 10, 1947

Fig. 1.

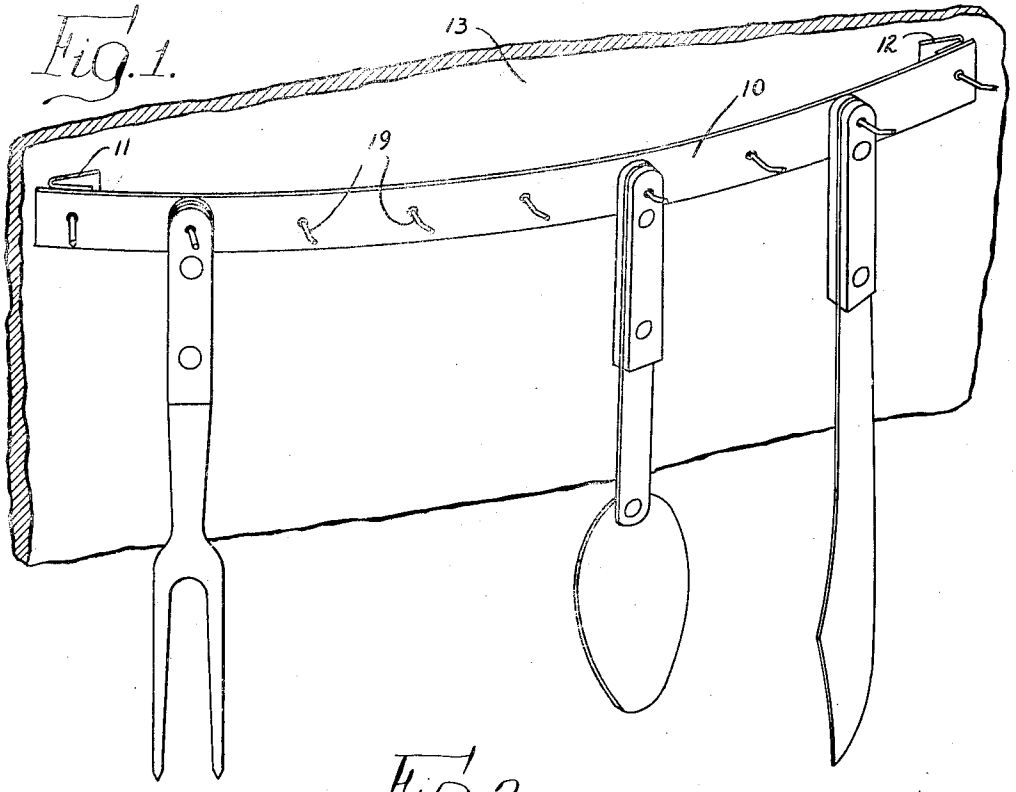


Fig. 2.

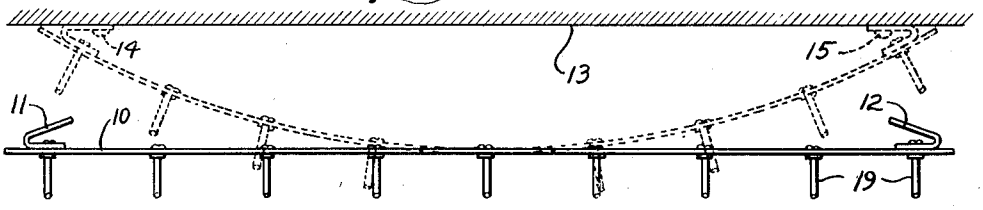


Fig. 3.

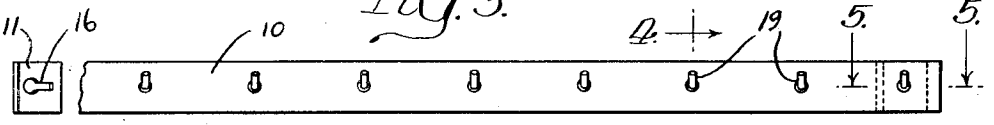
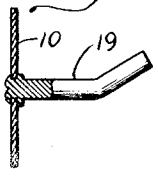


Fig. 4.



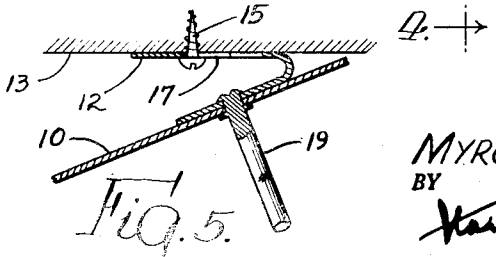


Fig. 5.

INVENTOR.
MYRON J. ZIMMER
BY
Stanley Horton
Atty.

Patented Oct. 23, 1951 2,572,797

UNITED STATES PATENT OFFICE

2,572,797

WALL FIXTURE

Myron J. Zimmer, Wood Dale, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois

Application July 10, 1947, Serial No. 759,975

1 Claim. (Cl. 211—87)

1

This invention refers to a wall fixture for supporting tools, kitchen implements and the like in a convenient manner when such tools are not in use.

The object of this invention is to provide a fixture of this character comprising a strap-like base member provided with a pair of attaching ears spaced apart lengthwise of the base member for removable connection with a pair of spaced apart fastening studs fixed in a wall or the like.

It is also an object of this invention to provide a fixture of this character wherein the base member is sufficiently rigid to normally maintain the attaching ears at a distance apart at variance with the distance between the fastening studs and yet yieldable to pressure along its longitudinal axis to position the ears in alignment with the fastening studs whereby the ears and fastening studs are removably connected under internal restraint of the base member.

With the above and other objects in view, as will be apparent, this invention consists in the construction, combination and arrangement of parts, all as hereinafter more fully described, claimed and illustrated in the accompanying drawings, wherein:

Fig. 1 is a perspective view of a wall rack embodying the features of this invention as it appears when in use.

Fig. 2 is a top plan view thereof including a full line portion showing the rack as it appears when detached from the wall, and a dotted line portion showing the device as it appears when operatively positioned on the wall.

Fig. 3 is a front elevational view of the article as shown in full lines in Fig. 2, with parts broken away to show details of the bracket.

Fig. 4 is a vertical section, partly in elevation, taken along line 4—4 of Fig. 3.

Fig. 5 is an enlarged fragmentary horizontal sectional view taken along line 5—5 of Fig. 3.

Referring more particularly to the drawings, 10 designates a hanger bar of flexible strap construction having a pair of ears 11 and 12 secured to one face thereof by welding or other suitable means, in positions apart lengthwise of the bar 10. The ears are adapted to be supported in abutment with a suitable wall surface 13, by means of fastening elements 14 and 15 anchored in and projecting from said wall surface, said ears being substantially concealed from frontward view by the bar 10. As shown, a key hole slot 16 formed in the ear 11 and a similar slot 17 formed in the ear 12 provide holes or passageways in which the fastening elements 14 and 15,

2

respectively, have entry to establish such supporting connection with the ears. It will be observed that the position of the ears 11 and 12 with respect to the oppositely disposed surface of the bar 10 is such as to provide clearance therebetween for accommodating a head at the outer terminal of the fastening elements 14 and 15, respectively.

The distance between the fastening elements 14 and 15 is shorter than the distance between the slots 17 and 16 of the ears 11 and 12 when the bar 10 is in an unflexed or detached state as shown in full lines in Fig. 3. In order to shorten the distance between the ears so as to place the slots in alignment the fastening elements, preparatory to mounting the bar 10 in operative position, the bar 10 is flexed into a shape as shown in dotted line in Fig. 3. Each of the slots is enlarged at the end thereof extending in the direction longitudinally outward of the adjacent end of the bar 10, through which the heads of the fastening elements 14 and 15 have initial entry to the space between the ear and the oppositely disposed surface of the bar 10. The material of the bar 10 is of such elasticity as to be flexed into a shape to position the slots of the ears in receiving relation to the fastening elements without exceeding the elastic limits of the bar. Thus, upon releasing pressure along the longitudinal axis of the bar 10 after the fastening elements have entered the slots, the stress of the bar in seeking to resume its normal extended shape will move the ears in a direction to shift the narrow portion of the slots behind the heads of the associated fastening elements so as to obstruct removal of the ears therefrom in a direction axially of the fastening elements, and to maintain such relative positioning of the ears until pressure is manually applied to the bar to shorten the distance between the slots. Accordingly the fixture is securely retained in fixed position on the supporting surface by the tension of the bar 10 and removable therefrom by an inward shifting of the ends under a force of sufficient magnitude to overcome the internal stress of the bar when in such deformed shape.

To provide for the simultaneous suspension of a series of tools or implements a set of hooks 19 is suitably secured to and projects from the exposed front surface of the bar 10 at spaced intervals lengthwise thereof.

It will also be noted that the peripheral edges of the ears cooperate with the wall surface 13 at such distance from the openings 16 and 17 as to limit the extent of tilting movement of the

ears about an axis coincident with a straight line between the fasteners 14 and 15, thereby preventing undue wobbling of the rack.

From the foregoing description it is evident that the present invention provides a simple and efficient supporting rack which may be readily positioned on a wall surface and at the same time may be removed, dismantled and packed in a very small space.

What is claimed is:

A rack for readily detachable connection to a pair of headed pin fasteners anchored at a fixed distance apart on a stationary support, said rack comprising an elastic strap member having fastener engaging means thereon substantially concealed from frontward view by said strap member, said fastener engaging means comprising ears projecting inwardly from opposite ends of said strap member, each ear being provided with a keyhole-shaped opening of elongated form lengthwise of said strap member and of such restricted dimension in a direction inwardly of the ends of the strap member as to accommodate

entry of the headed pin fasteners in said openings only at the enlarged part of the openings located nearest the ends of the strap member when the latter is flexed to bring the ears closer together and in conformity with the spacing between said pin fasteners, thereby to effect resilient engagement with the latter at the parts of said openings of restricted dimension.

MYRON J. ZIMMER.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
D. 149,919	Ullmann	June 8, 1948
970,854	Schwartz	Sept. 20, 1910
1,189,677	Farlese	July 4, 1916
1,571,000	Eustis	Jan. 26, 1926
1,575,270	Jankowsky	Mar. 2, 1926
1,818,814	Riggs et al.	Aug. 11, 1931
2,108,196	Davies	Feb. 15, 1938