

Oct. 19, 1926.

J. FRITSCH

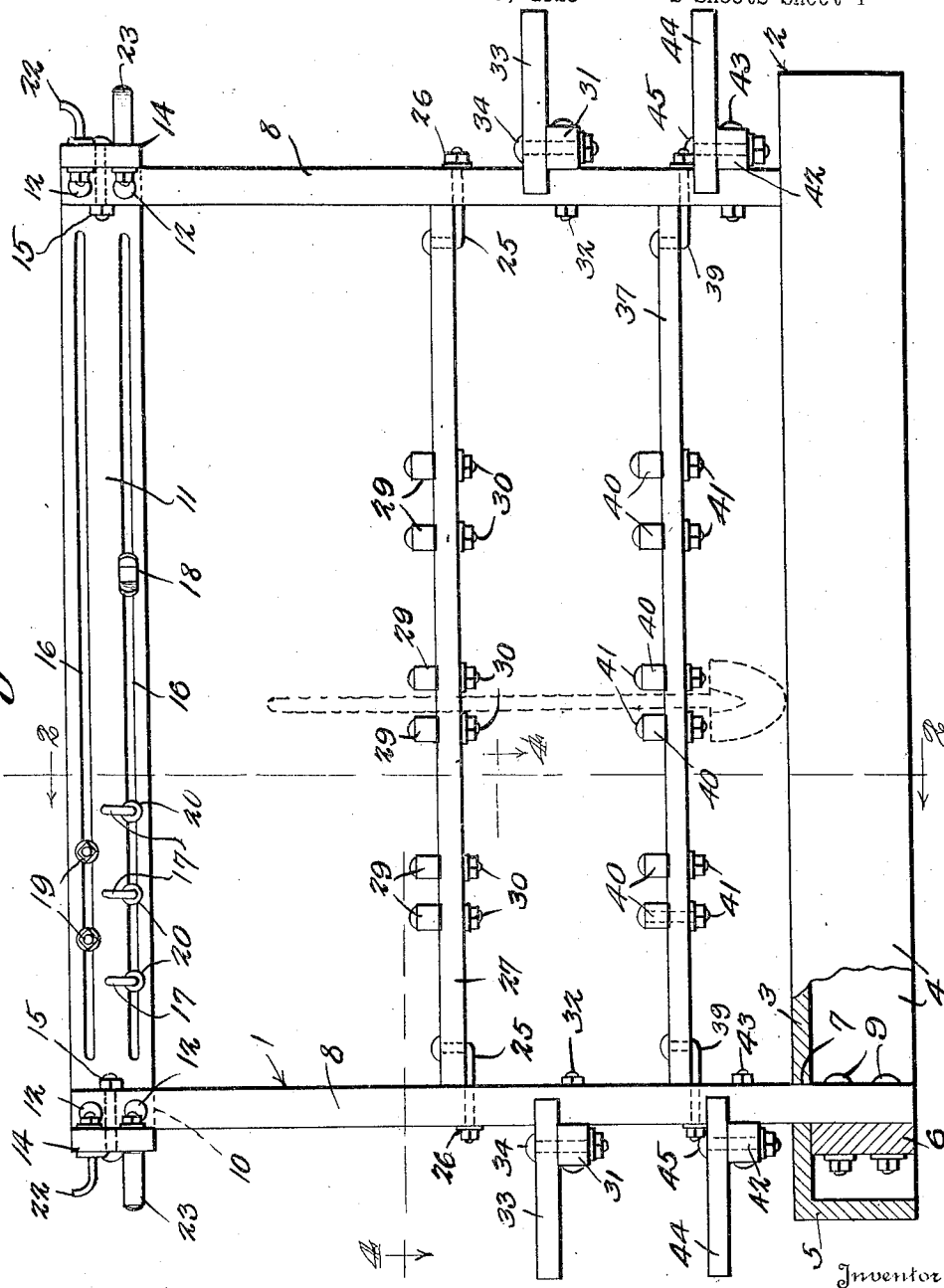
1,603,845

ADJUSTABLE TOOL HANDLE AND IMPLEMENT RACK

Filed Dec. 8, 1923

2 Sheets-Sheet 1

Fig. 1.



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2 Sheets-Sheet 2

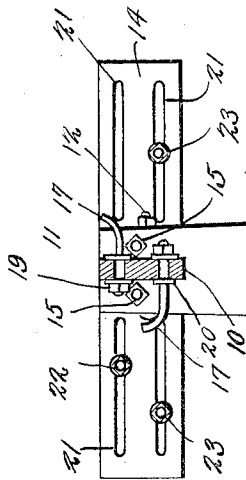
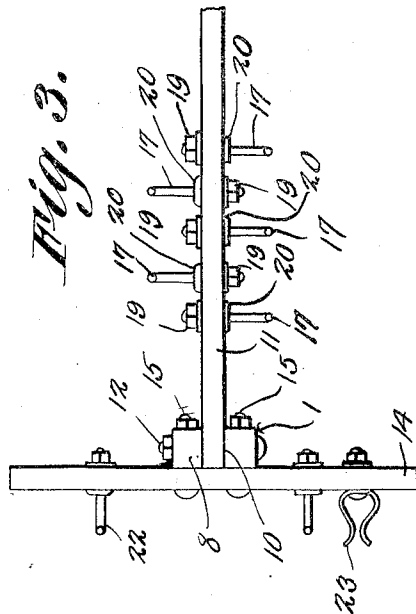


Fig. 2.

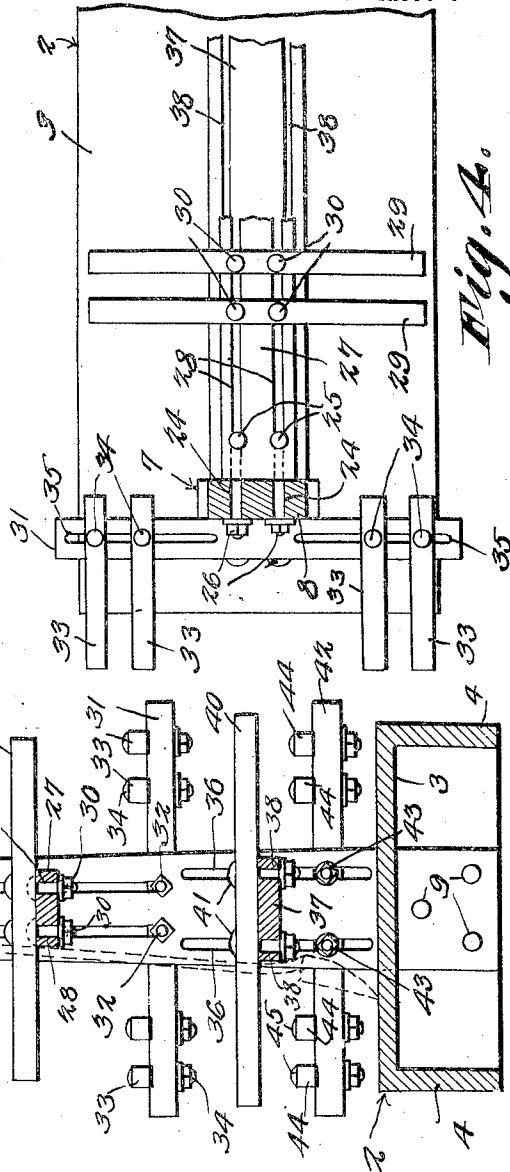


Fig. 4.

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ADJUSTABLE TOOL-HANDLE AND IMPLEMENT RACK.

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This invention aims to provide a simple frame which is adjustable to accommodate and display implements of one kind and another, novel means being provided for securing the necessary adjustments, and novel means being provided for strengthening the frame.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that, within the scope of what is claimed, changes in the precise embodiment of the invention shown, can be made, without departing from the spirit of the invention.

In the accompanying drawing:

Figure 1 shows in elevation a device constructed in accordance with the invention, parts being broken away; Figure 2 is a section on the line 2—2 of Figure 1; Figure 3 is a fragmental top plan; Figure 4 is a section on the line 4—4 of Figure 1.

The device forming the subject matter of this application comprises a frame denoted generally by the numeral 1, the frame including a base 2 which may be constructed as desired. As shown, the base 2 includes a top 3, sides 4 and ends 5. Transverse braces 6 extend between the sides 4 in close relation to the ends 5 and bear against the top 3 to aid in supporting the top. Openings 7 are fashioned in the top 3 adjacent to the braces 6. Vertical standards 8 extend downwardly through the openings 7 and lie in contact with the braces 6. Securing elements 9 located within the base 2, connect the lower ends of the standards 8 with the braces 6. As shown in Figure 2, the standards 8 are disposed about midway between the sides 4 of the base 2.

Notches or seats 10 are formed in the upper ends of the standards 8. In the notches 10, the ends of a top bar 11 are mounted. Securing members 12 pass through the upper ends of the standards 10 and engage the ends of the top bar 11. Cross bars 14 are mounted on the outer surfaces of the standards 8 and cover the ends of the top bar 11. Securing elements 15, located on opposite sides of the top bar 11, pass through the stand-

ards 8 and through the cross bars 14 and hold the cross bars in place. Owing to the disposition of the securing members 12 and the securing members 15, the upper ends of the standards 8 are reinforced against splitting, and the top bar 11 and the cross bars 14 are held securely in place.

Vertically spaced longitudinal slots 16 are formed in the top bar 11 and extend practically the entire length of the said bar. Article holders which may be hooks 17, clips 18, or anything of the sort, are mounted in the slots 16 of the top bar 11 for adjustment longitudinally of the top bar, the article holders being held in adjusted position by nuts 19 and shoulders 20 located on opposite sides of the top bar 11 and cooperating therewith. Vertically spaced longitudinal slots 21 are formed in the cross bars 14 on opposite sides of the standards 8. Article holders, which may be hooks 22 or clips 23, are adjustable in the slots 21 longitudinally of the cross bars 14. The article holders 22—23 are held in position in the way hereinbefore described in connection with the article holders 17 and 18. It will be obvious that articles of any desired kind may be mounted on the elements 17—18—22—23.

Upper vertical slots 24 are formed in the standards 8. Supports 25 which may be angle bolts, are vertically adjustable in the slots 24. Nuts 26 are threaded on the outer ends of the bolts 25 and engage the outer surfaces of the standards 8. A carrier 27, in the form of a bar, extends horizontally between the standards 8. The carrier or bar 27 is provided with longitudinal slots 28. The upstanding ends of the angle bolts 25 are engaged in the slots 28 at the ends thereof, and by tightening up the nuts 26, the ends of the carrier or bar 27 will be bound against the inner surfaces of the standards 8, it being possible thus, to hold the carrier or bar 27 in vertically adjusting positions. Horizontal retainers 29 extend transversely of the bar 27 and are held in place on the bar by bolts 30 located in the slots 28. The horizontal retainers 29 are disposed in pairs, and it is possible to adjust the distance between the members of any pair of retainers 29, or between adjacent pairs of retainers, the bolts 30 moving in the slots 28 of the bar 27. Cross members 31 are disposed horizontally and cooperate with the outer surfaces of the standards 8. The cross members 31 carry bolts 32 or other clamping means

which are vertically adjustable in the slots 24 of the standards 8, it being possible, thus, to raise and lower the cross members 31. Horizontal retainers 33 extend transversely of the cross members 31 and carry bolts 34 or the like, adjustable in elongated slots 35 formed in the cross members 31. It will be obvious that the retainers 33 may be shifted horizontally with respect to each other. The retainers 33 are disposed in pairs, the pairs being located on opposite sides of the standards 8 as clearly shown in Figure 4.

The standards 8 have lower vertical slots 36. A carrier or bar 37 extends between the standards 8 and has longitudinal slots 38. Angle bolts 39 are vertically adjustable in the slots 36 and are engaged with the lower carrier or bar 37 at the ends of the slots 38, as hereinbefore explained. Lower transverse retainers 40 extend crosswise of the lower carrier or bar 37 and are held in place for adjustment, by bolts 39, movable in the slots 38 for adjustment. Generally stated, the construction of the member 37 and parts carried thereby is the same as the construction of the member 27, aside from the fact that the bar 37 is somewhat wider than the bar 27, for a purpose which will be made manifest hereinafter. Retainers 40 extend transversely of the bar 37 and are held thereon, for adjustment, by bolts 41 located in the slots 38. Cross members 42 are provided and are held on the standards 8 by bolts 43 located in the slots 36. Retainers 44 are mounted on the cross members 42 and are held thereon, for adjustment, through the instrumentality of bolts 45, the construction being the same as that shown in detail at 33—35—34 in Figure 4 and hereinbefore ex-

plained in connection with the cross members 31.

Articles of any kind, such as shovels, may be mounted on the base 2, the handles of the shovels extending between adjacent lower retainers 40 and adjacent upper retainers 29, and since the bar 27 is somewhat narrower than the bars 37, the tools or other objects will slant inwardly and upwardly toward the longitudinal center of the frame, as clearly shown in Figure 2 of the drawing.

Having thus described the invention, what I claim is:—

A rack of the class described, comprising a base, standards carried by the base and provided with vertically elongated slots, a carrier bar extended between the standards and having a horizontally elongated slot, angle bolts adjustable vertically in the slots of the standards, the angle bolts supporting the carrier bar at its ends and being engaged with the carrier bar at the ends of the slot of the carrier bar, nuts on the bolts and cooperating with the outer surfaces of the standards to bind the ends of the carrier bar against the inner surfaces of the standards and to hold the carrier bar in vertically adjusted positions, retainers extended transversely of the carrier bar and adjustable lengthwise of the carrier bar, and clamping devices mounted on the retainers and movable in the said slot of the carrier bar to secure the aforesaid adjustment of the retainers, the clamping devices constituting means for holding the retainers in adjusted position lengthwise of the carrier bar.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature

JOSEPH FRITSCH.