No. 841,716. PATENTED JAN. 22, 1907.

R. H. QUICK.

BRACKET.

APPLICATION FILED FEB. 20, 1906.

Fig. 1.

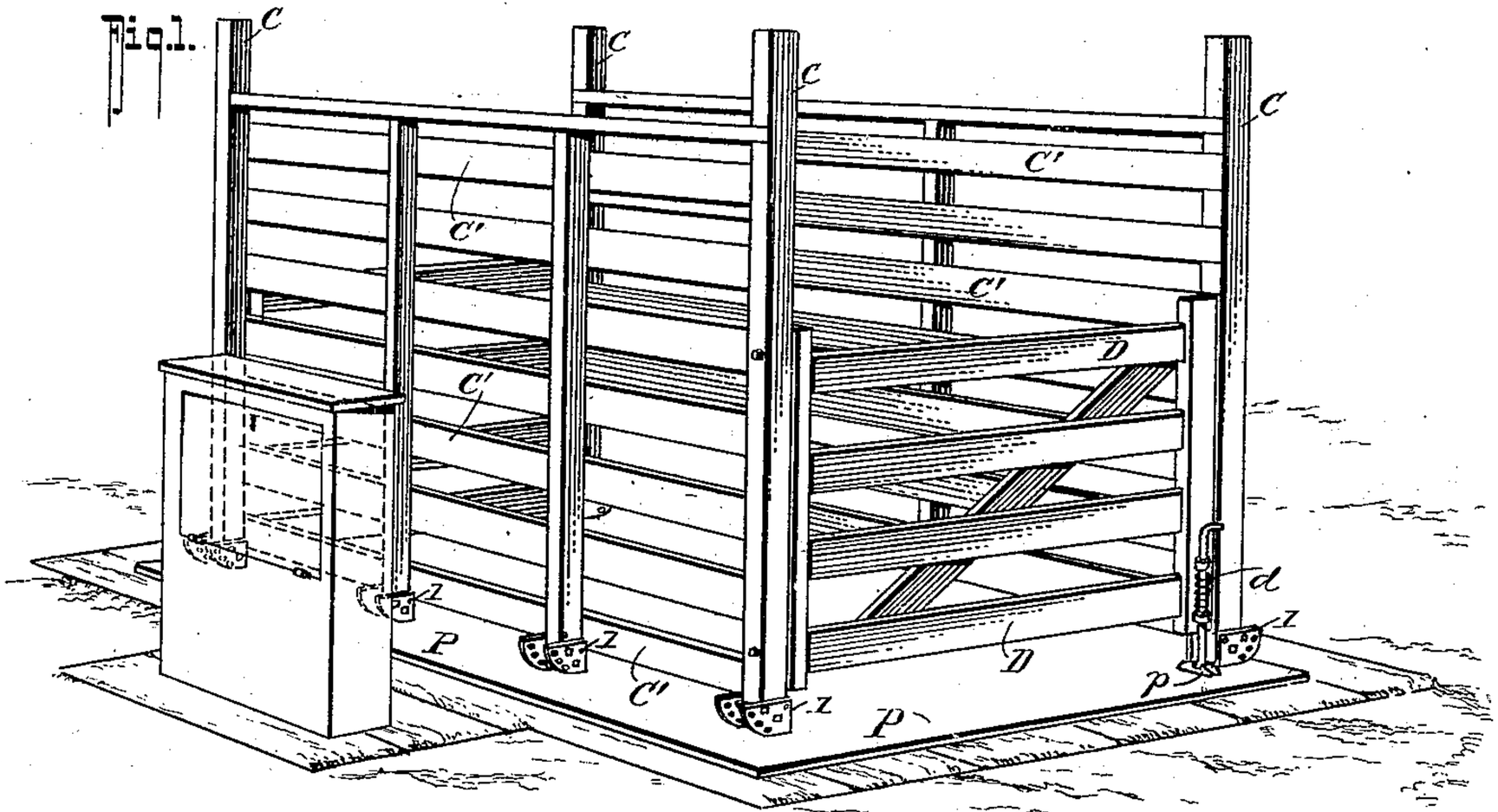

Fig. 3.

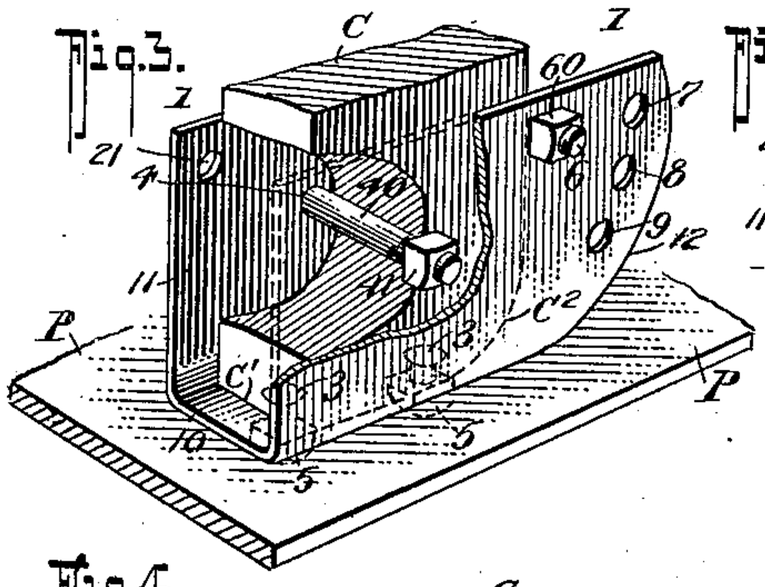

Fig. 7.

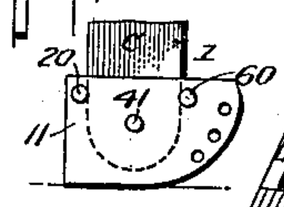

Fig. 2.

Fig. 4.

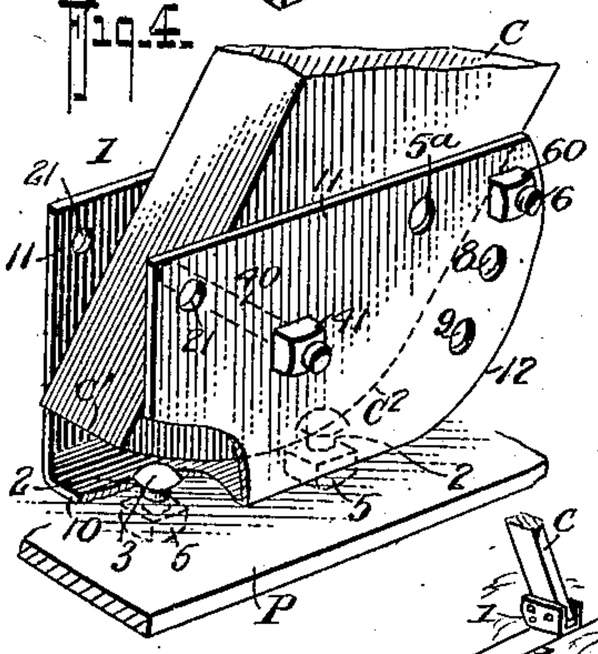

Fig. 6.

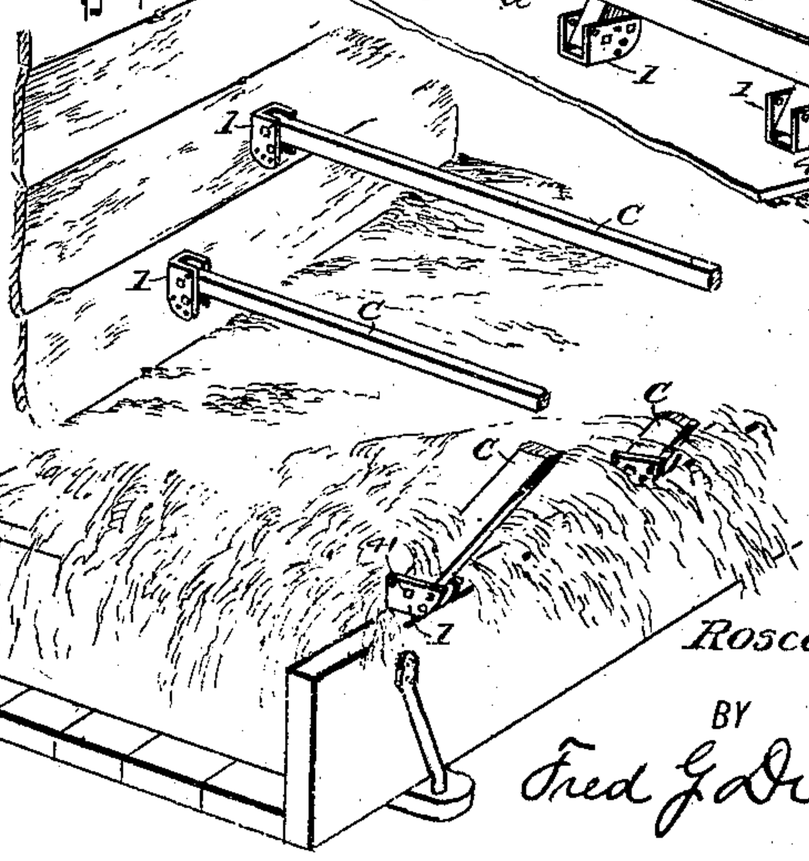

Fig. 5.

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No. 841,716. Specification of Letters Patent. Patented Jan. 22, 1907.

Application filed February 20, 1906. Serial No. 302,117.

To all whom it may concern:

Be it known that I, ROSCOE H. QUICK, residing at Fiatt, in the county of Fulton and State of Illinois, have invented a new and Improved Bracket, of which the following is a specification.

My invention seeks to provide an improved construction of bracket or supporting member adapted for universal use—for example, for attaching stock-racks to platform-scales, racks to wagon-platforms, side racks to a hay-rack, roosts in poultry-houses, &c.; and it primarily seeks to provide a rack or supporting member of the character stated of a very simple and economical construction which can be readily formed into shape and having its several parts so combined and cooperatively arranged whereby the member to be supported by the bracket can be quickly attached thereto and then set to its desired positions by the simple adjustment of a single bolt or sustaining member.

My invention in its generic nature comprehends a bracket formed of a single body suitably shaped to receive one end of the rack or bar to be sustained thereby, having its base constructed to be readily secured to a scale-platform or other base and provided with means for pivotally supporting the lower or inner end of a rack or bar and another and shiftable means for sustaining the rack or bar at different angles to the vertical and for locking the said bars to the vertical position.

In its more subordinate features my invention consists in certain details and combination of parts hereinafter fully described, pointed out in the appended claims, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view illustrating my improved bracket used for securing a stock-rack to a platform-scale. Fig. 2 is a similar view of one-half of the rack with the side inclined and the gate connected to the said side closed. Fig. 3 is a perspective view of the bracket, showing the lower end of an upright pivotally connected thereto and held back to such position. Fig. 4 is a similar view showing the standard section swung back and sustained by the bracket. Fig. 5 is a view illustrating the bracket applied to a part of a wagon-platform with the side uprights attached. Fig. 6 illustrates the bracket used for sustaining bars or racks in a horizontal plane from the side of a poultry-house. Fig. 7 is a view illustrating the use of a supplemental bolt for locking a bar whose lower end is round to an upright position.

In the accompanying drawings, Figs. 1 and 3, I have illustrated my bracket utilized for adjustably sustaining a stock-rack on a scale-platform; but I desire it understood that the said bracket is not restricted in use in connection with a stock-rack, since it can be advantageously used for forming the support for wagon-rack members, poultry-roost bars, and various other purposes.

My improved bracket consists, essentially, of a metallic body 1, which may be of heavy sheet metal stamped to shape and then bent up to its complete forms, or it may be cast or otherwise formed, and the said body, which is ⌊⌋-shaped in cross-section, embodies a bottom 10, parallel side members 11, the outer edges of which are preferably curved from the upper edge to the bottom 10, as shown at 12.

The bottom 10 has one or more apertures 2 2 for the passage of the headed clamp-bolts 3 3, that pass through the platform or base on which the bracket is secured by the nuts 5 5, as shown. About midway thereof each side portion has an aperture 4, which registers and is provided to receive a bolt 40, detachably secured by the nut 41 and which forms the pivot-bolt for the rack-bar or other member to be sustained upon the platform or base.

When used for mounting a rack upon a scale-platform, a suitable number of the brackets are secured to the platform P in parallel rows, as shown in Fig. 1, which illustrates a stock-rack secured to the platform and comprising uprights or bars C C, secured by a plurality of horizontal strips C′, and a gate D, hinged to each of the two side sections of the rack arranged at opposite ends of the platform P and mounted on the said sections to swing in and out in opposite directions and provided with suitable latches *d*, adapted to engage detents *p* on the platform to hold them to their closed positions, and the said gates are so hinged to side sections as to fold back flatwise upon the same when the rack is not in use.

Heretofore in the construction of platform-racks it has been usual, so far as I know, to provide means for connecting the upper ends of the uprights C C in their vertical position,

as also means in the nature of hinged rods for sustaining the side sections in their outwardly-tilted position.

My construction of bracket is especially designed to overcome the necessity of providing means for joining the upper ends of the side sections of the rack and also special means connected directly to the side sections in the nature of brace and stay rods for holding the sections in their tilted position.

When used in connection with rack-bars or uprights C, the lower ends of the uprights are fitted between the side members of the bracket, with their lower edge close down to the platform P and the rear lower corner cut away or rounded, as at C^2 C^2, preferably on an arc with the pivot-bolt 40 at the center, said bolt passing through the lower end of the bar or upright C, as best shown in Fig. 3.

By forming the lower end of the bar as described the same has a solid or straight bottom edge *c'*, adapted to rest solidly upon the bottom 10 when the bar is at an upright position and by reason of its pivotal connection with the bracket be positively held from swinging inwardly and to positively sustain it to such vertical position and hold the rack-bars from tilting backward.

The side members of the bracket are each formed with an aperture 5^a 5^a, that register with each other and are located in close alinement with the rear edge of the bar C, whereby the removable lock-bolt 6 when fitted in the apertures 5^a 5^a and secured by the nut 60 will engage the back edge of the bar C, and since the said bar is held from tilting forward by the positive engagement of its forward lower edge engaging the bottom 10 the said bolt 6 acts as a lock for sustaining the bar in its upright position, it being understood from Fig. 1 that when arranged as stated the side sections require no connection to hold them to their vertical position.

At the inner curved edge the sides of the bracket have a series of registering apertures 7 8 9, with either set of which the bolt is adapted to be removably connected, and when thus connected the bolt forms the means for sustaining the rack-bars C at different inclines or angles to provide for the wide separation of the upper part of the rack. Thus it will be seen the single bolt 6 for each bracket forms the means for positively locking the upright C to its vertical position and for holding the same at the inclined position, and, furthermore, the said bolt 6 can also be utilized for holding the bar C locked to a horizontal position when the bar is a roost member or intended as a horizontal support, as shown in Fig. 6, by simply adjusting the rod in the upper set of holes 7 7 above the upper edge of the bolt 6.

From the foregoing, taken in connection with the drawings, the advantages of my invention, it is believed, will readily appear. By reason of its peculiar shape and the arrangement of the apertures therein to removably receive the bolt 6 my invention forms a convenient means for hinging side racks to weighing-scales and readily allows the rack to swing out of the way when not in use, to leave the platform unobstructed for weighing a bulky body, and also provides for quickly bringing the rack to the upright position and locking it to such position.

My improved bracket can be used for hinging side racks on a platform-wagon, as indicated in Fig. 5, and adjusted in the manner heretofore described. When hinging a side rack to a hay-rack, the said side rack can be folded over onto the hay-rack out of the way when not in use, and when used for attaching roosts in a poultry-house a number of them can be used to sustain bars in a ladder-form for young chickens to mount.

At the inner edge the bracket sides have a supplemental aperture 21, the two registering to receive a supplemental bolt 20, which is used when the bar to be sustained is entirely rounded at the lower end.

Having thus described my invention, what I claim is—

1. A bracket comprising a base portion adapted to be secured to a fixed member, a side portion, a pivotal member detachably secured to the side portion, and an adjustable stop adapted to detachably project from the side portion parallel to the pivotal member.

2. In combination with a base or platform, and an upright, of a ⌊-shaped bracket having means for securing its bottom to the platform or base, the side members of the bracket having each a centrally-disposed aperture and a series of apertures at one edge, a detachable pivot-bolt for hinging the lower end of the upright in the bracket, and a detachable bolt for engaging with any set of the edge apertures in the bracket.

3. The combination with a base and an upright having a transverse hinged aperture, the lower end of which at one edge is cut away; of a ⌊-shaped bracket mounted on the base member, having registering apertures in its sides, a hinge-bolt for engaging said apertures and the aperture in the upright, said upright being hinged with its lower flat edge in close relation to the bottom of the bracket, and a means detachably mounted in the sides of the brackets for engaging that edge of the upright mounted at the lower end, as set forth.

4. As a new article; a ⌊-shaped bracket whose two side members each have a hinge-aperture midway thereof and a series of registering apertures in one edge, and an aperture in the upper end intermediate the edge apertures and the pivot-apertures, a pivot-bolt for detachably fitting the pivot-aper-

tures, and a combined lock and sustaining-bolt for fitting either set of the other apertures, for the purposes described.

5. A ⌊⌋-shaped bracket having its bottom constructed to be readily secured to a supporting-base, means coöperatively connecting with the bracket for pivotally supporting the lower end of a rack or bar and another means also coöperatively connected therewith for sustaining the said bar to its adjusted positions and for locking it to its vertical position.

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