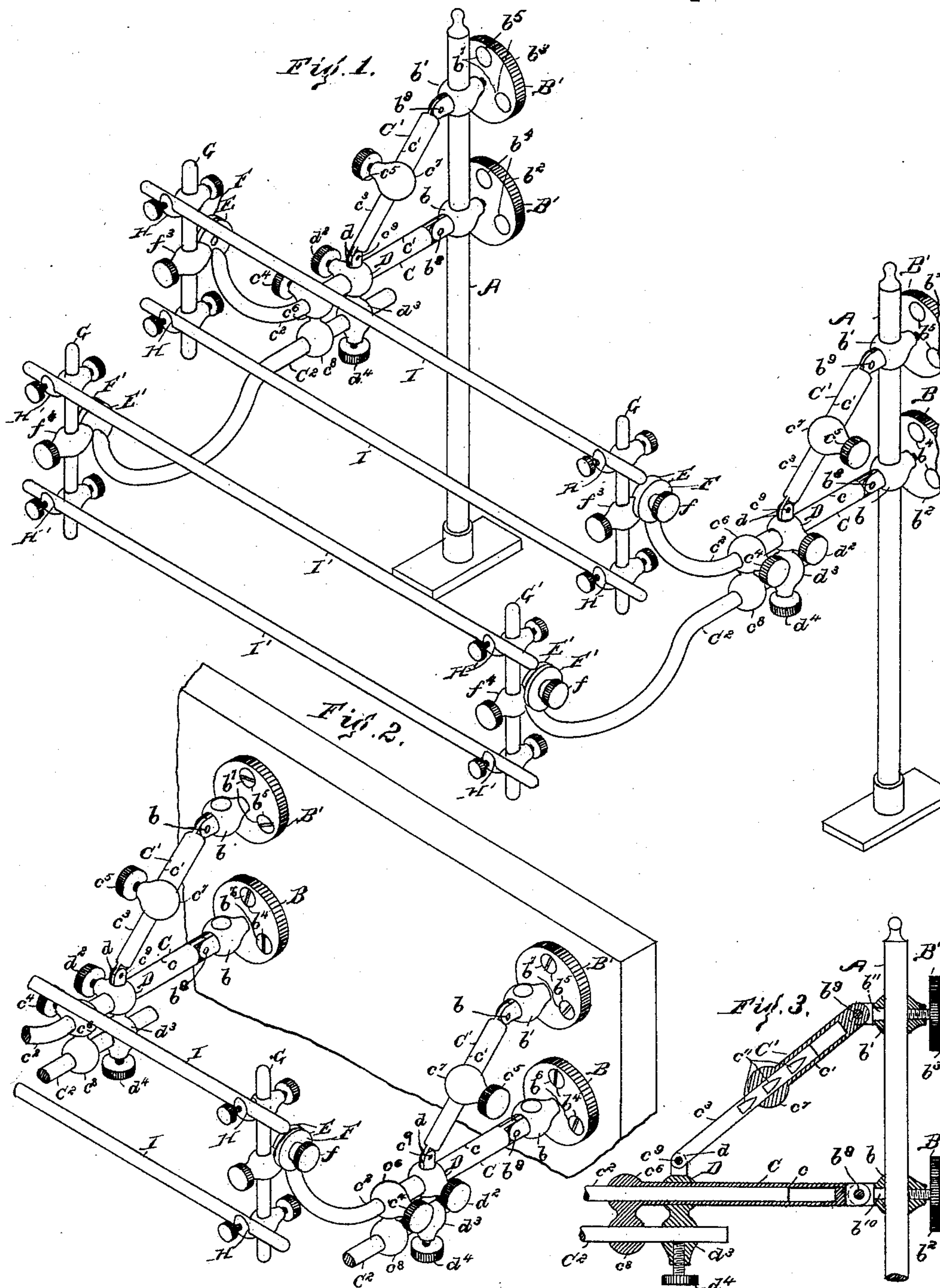


(No Model.)

T. F. MCGANN.
SHOW RACK.

No. 437,035.

Patented Sept. 23, 1890.



WITNESSES.

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UNITED STATES PATENT OFFICE.

THOMAS F. MCGANN, OF SOMERVILLE, MASSACHUSETTS.

SHOW-RACK.

SPECIFICATION forming part of Letters Patent No. 437,035, dated September 23, 1890.

Application filed February 15, 1889. Serial No. 299,982. (No model.)

To all whom it may concern:

Be it known that I, THOMAS F. MCGANN, a citizen of the United States, residing at Somerville, in the county of Middlesex and Commonwealth of Massachusetts, have invented a certain new and useful Improvement in Show-Racks, of which the following is a specification.

My invention relates to show-racks; and it consists in the devices and combinations hereinafter described and claimed, the purpose of said invention being to furnish a convenient means of displaying goods in a store and to render said means adjustable to a great variety of positions.

In the accompanying drawings, Figure 1 is an isometric perspective view of my invention, showing two sets of arms supported upon vertical rods or posts; Fig. 2, a similar view of the same supported upon a vertical surface or wall; Fig. 3, a vertical central section of one set of arms supported as in Fig. 1.

The invention herein described is an improvement on that shown in United States Letters Patent No. 394,595, granted December 18, 1888, to me.

In the drawings two different means of supporting the device are shown, the supporting means in Figs. 1 and 3 consisting of vertical posts A, provided with feet or bases resting upon and secured to any suitable horizontal surface, as a floor or the top of a counter. On the posts A are arranged collars b b' , each held by set-screws B B', which turn radially in said collars and thrust against the posts A. The heads b^2 b^3 of the screws are made much larger than is necessary when the screws are to be used merely as set-screws to enable said heads, when desired, to be used as supporting-plates, as shown in Fig. 2, said heads being provided with screw-holes b^4 b^5 , through which screws b^6 b^7 may be driven into a wall or vertical standard, as shown in said last-named figure; or, if desired, said heads or supporting-plates may, it is evident, be secured to a horizontal surface. On parallel pivots b^8 b^9 the arms C C'—two in a set—are pivoted to the collars b b' , substantially as the corresponding arms in said previous patent are connected to their supporting-plates, in such a manner as to swing freely in the same plane usually, but

not necessarily in a vertical plane. As in the patent referred to, each set of arms C C', two sets being shown in Figs. 1 and 2, consists of a longer arm C and a shorter arm C', the free end of said shorter arm being connected by a horizontal pivot c^9 to a slide D, provided with ears d to receive the free end of said arm and to support said pivot, said slide D having a slot or hole, through which the longer arm C slides freely to adjust the relative positions of said arms, a set-screw d^2 turning in said slide and thrusting against said longer arm to hold said arms in any required position; also, as in said patent, a disk E is secured to the free end of the long arm C, and has a central orifice, through which a binding-screw f is driven into a threaded hole in the center of another disk F to draw said disks in contact with each other, the adjacent faces of said disks being preferably roughened to prevent the disks from turning on each other when held in contact by said screw. The disk F has a projecting stud f^3 and supports the bar G, and hooks H are supported on said bar G and in turn support rods I, substantially as described in said patent, said rods I being intended for the display of goods hung thereon. The arms C C', unlike the corresponding arms in said patent, are each adjustable in length, each being formed in two parts, the parts c c' in each arm nearest the collar b or b' which supports it being a sleeve, in which slides the other part c^2 c^3 of said arm, both parts c' c^3 of the shorter arm C' and the sleeve of the longer arm C being preferably straight, while the outer portion c^2 of said longer arm is preferably curved, as shown, to prevent a view of the goods displayed on the rods I being obstructed by goods displayed on the rods I', hereinafter named. The parts of the arms C C' are held together by set-screws c^4 c^5 , which turn in said sleeves c c' , respectively, and thrust against the parts c^2 c^3 within said sleeves, the free ends of the sleeves being provided with annular bosses or enlargements c^6 c^7 to support said last-named set-screws. This construction allows the length of the arms C C' to be varied, the variation in length of the arm C' changing the angular position of the longer arm C and the variation in length

of said longer arm varying the relative positions of the rods I I'. The part c^3 may have notches c^{11} to receive the ends of the screws c^5 . To increase the displaying capacity of the rack, the collar or slide D is made double, and an arm C^2 is inserted in one part (the lower part d^3 , as shown) of said collar D, and adjustably secured therein by the set-screw d^4 , which turns in said lower part d^3 and thrusts against said arm C^2 , and said last-named arm is further supported by another collar c^8 , formed in one piece with the boss c^6 of the arm C, said arms C C^2 lying in the same plane vertically. The arm C^2 at its free end supports a clutch E' F', which is merely a duplicate of the clutch E F, and the stud f^4 , bar G', rods I', and hooks H' are also duplicates of the parts of the same name and designated by the letters of reference f^3 , G, I, and H, and perform the same functions.

To improve the appearance of the rack when the same is supported, as shown in Fig. 2, the set-screws B B' are turned into the collars b b' until the threaded shanks of said screws are wholly concealed in said collars and the heads b^2 b^3 of said screws rest against said collars, the holes b^{10} b^{11} in said collars which receive said screws being long enough for this purpose, as shown in Fig. 3, where said holes extend across the openings which receive the standards or posts A. Goods may also be displayed directly upon the arms C C^2 .

The arms C^2 may, if desired, be formed in two parts adjustable one within the other just as the parts c c^2 of the arms C are adjustable.

I claim as my invention—

1. The combination of collars, set-screws turning in said collars, arms pivoted to said collars, and means, substantially as described, of adjustably securing the free end of one of said arms to the other of said arms, said set-screws having enlarged heads provided with screw-holes to enable said heads to be used as supporting-plates for said arm or at will to enable said collars to be adjustably secured upon a standard, as and for the purpose specified.

2. The combination of a standard, collars adapted to receive said standard, set-screws turning in said collars, arms pivoted to said collars, and means, substantially as described, of adjustably securing the free end of one of said arms to the other of said arms, said set-screws having enlarged heads to enable said heads to be used as attaching-plates, and supporting-plates for said arms when said collars are removed from said standard, as and for the purpose specified.

3. The combination of the arms pivoted at one end to the same support, the reverse end of one arm being adjustably secured to the other of said arms and said arms being adjustable in length, as and for the purpose specified.

4. The combination of an arm adapted to support goods for the purpose of displaying the same and another arm adjustable in length

and having its free end adjustably secured to said first-named arm, both of said arms being pivoted at one end upon the same support and free to turn in the same plane, as and for the purpose specified.

5. The combination of an arm adapted to support goods for the purpose of displaying the same and another arm having its free end adjustably secured to the other of said arms and formed in two parts adapted to slide one within the other, and a set-screw turning in the outer one of said parts and thrusting against the inner one of said parts, both of said arms being pivoted at one end upon the same support and free to turn in the same plane, as and for the purpose specified.

6. The combination of an arm adapted to support goods for the purpose of displaying the same and adjustable in length, and another arm the free end of which is adjustably secured to said first-named arm, both of said arms being pivoted at one end to the same support and free to turn in the same plane, as and for the purpose specified.

7. The combination of an arm adapted to support goods for the purpose of displaying the same and formed in two parts adapted to slide one within the other, a set-screw turning in the outer one of said parts and thrusting against the other of said parts, and another arm adjustably secured at its free end to said first-named arm, both of said arms being pivoted at one end to the same support and free to turn in the same plane, as and for the purpose specified.

8. The combination of an arm adapted to support goods for the purpose of displaying the same, collars supported on said arm eccentrically thereto, and another arm supported in said collars and adjustably secured therein, both of said arms being arranged in the same plane, as and for the purpose specified.

9. The combination of an arm adapted to support goods for the purpose of displaying the same, collars supported on said arm eccentrically thereto, another arm supported in said collars and adjustable therein, and a set-screw turning in one of said collars and thrusting against said last-named arm, said arms being arranged in the same plane, as and for the purpose specified.

10. The combination of an arm adapted to support goods for the purpose of displaying the same, another arm the free end of which is adjustably secured to said first-named arm, said arms being pivoted at one end to the same support and free to turn in the same plane, collars supported on said first-named arm eccentrically thereto, and a third arm arranged in the same plane with said first-named arm and supported in said collars and adjustably secured therein, as and for the purpose specified.

11. The combination of an arm adapted to support goods for the purpose of displaying the same, another arm the free end of which

is adjustably secured to said first-named arm
said arms being pivoted at one end upon the
same support and free to turn in the same
plane, collars supported on said first-named
5 arm eccentrically thereto, another arm ar-
ranged in the same plane with said first-
named arm and supported in said collars and
adjustable therein, and a set-screw turning
in one of said collars and thrusting against

said last-named arm, as and for the purpose so
specified.

In witness whereof I have signed this speci-
fication, in the presence of two attesting wit-
nesses, this 5th day of February, A. D. 1889.

THOMAS F. MCGANN.

Witnesses:

CHARLES M. BARNES,
GEO. H. MURPHY.