(No Model.)

F. W. CHICKERING.

WALL PAPER EXHIBITOR.

No. 591,453. Patented Oct. 12, 1897.

Fig. 1.

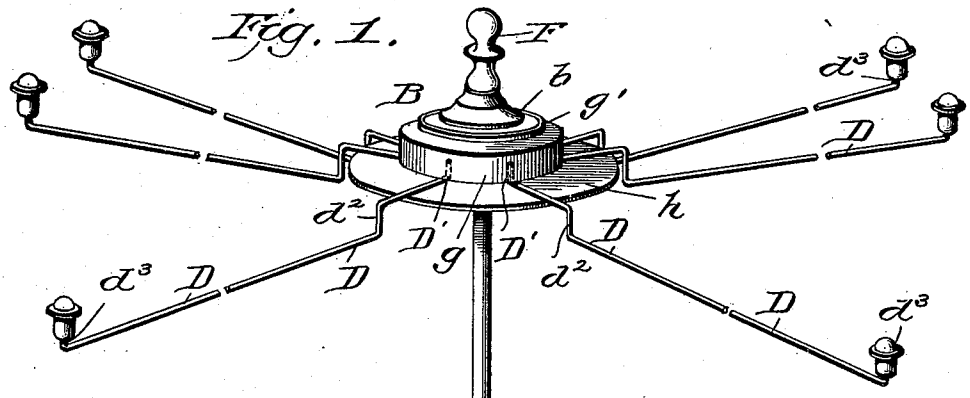


Fig. 2.

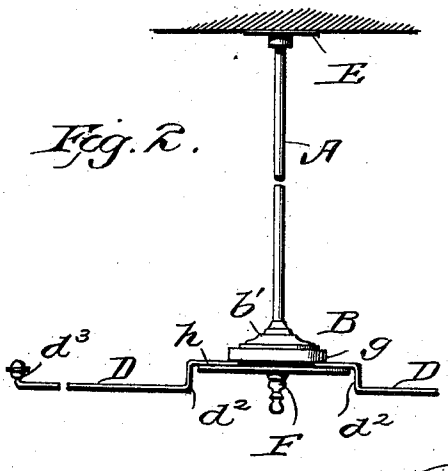
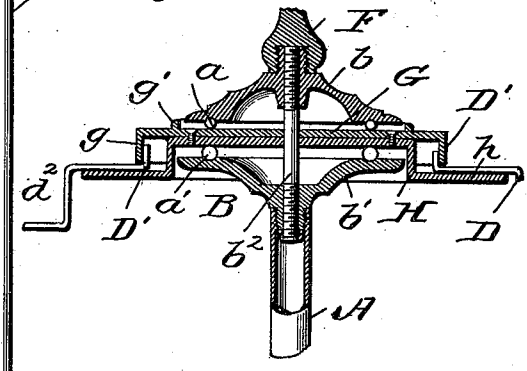
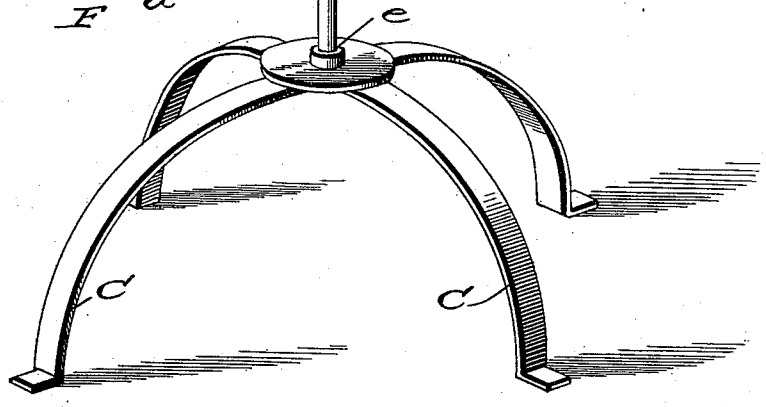


Fig. 3.





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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FRANK W. CHICKERING, OF CABOT, VERMONT, ASSIGNOR TO O. R. COLLINS, OF SAME PLACE.

WALL-PAPER EXHIBITOR.

SPECIFICATION forming part of Letters Patent No. 591,453, dated October 12, 1897.

Application filed April 30, 1896. Serial No. 589,766. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. CHICKERING, a citizen of the United States, residing at Cabot, in the county of Washington and State of Vermont, have invented certain new and useful Improvements in Wall-Paper Exhibitors, of which the following is a specification.

The object of this invention is to provide satisfactory means for permitting the rotation of a series of radial arms on their support and adapting them to be withdrawn individually and inserted at will.

To this end the said invention consists in the construction and combination of parts hereinafter particularly set forth and claimed.

The support for the exhibiting-arms is adapted to rest on the floor or be attached to the ceiling, as may be found most convenient.

In the accompanying drawings, Figures 1 and 2 represent elevations of an exhibitor or display-rack embodying my invention, the former view as arranged for resting on the floor, and the latter as suspended from the ceiling. Fig. 3 represents a vertical central section of the arm-holding head as shown in Fig. 1, but with a part of the supporting-rod and decorative knob removed.

A designates an upright rod, which, as shown in Fig. 1, may have legs C attached to its lower end *e* and adapted to rest on the floor, or the said rod may be inverted, as shown in Fig. 2, and the said end may be attached to a plate E, which may be fastened to the ceiling. To the other end of the said rod the head B is attached, preferably by screw-threads, as indicated in Fig. 3. This head consists of two concave plates *b b'*, a short rod b^2, which connects them by screwing into one or both of them, and two fastening-plates G and H, which are clamped between the said shells, antifriction-balls *a a'* in two series being interposed and fitting in circular grooves of the said shells in the usual way, as shown. These plates are of disk form and secured together by screws or rivets. The upper plate G is provided with a raised circular flange or rim *g'*, which prevents the escape of the upper series of balls *a*. It has also at its periphery a downward circular flange *g*. The lower plate H is bent downward, so as to confine the lower series of balls *a'*, and then horizontally outward, forming a circular platform *h*.

D designates the arms, the inner ends of which are bent inward and then upward, forming square hooks D, which catch behind flange *g* and rest on platform *h*. Outside of the latter they are bent down at d^2 and at their outer ends are turned up again, ending with small knobs or rounded tips d^3. Wall-papers of different patterns and colors may be hung on the said rods between the points d^2 and d^3. The plates G and H fit loosely on the cylindrical rod b^2 and constitute a frame or circular socket easily revoluble thereon with the said series of radial rods. Any particular specimen of wall-paper or other article exhibited may thus be turned to the observer, and any particular arm with what it carries may be removed from the head for closer inspection. This is done by tilting or turning the arm until the square hook on the inner end thereof is in position to be withdrawn from between the plates G and H.

The head has an ornamented knob F screwed on it at the top, as shown in Fig. 1. This knob of course is at the bottom when the head B is inverted, taking the position shown in Fig. 2. As the frame, consisting of plates G H, must always have the platform *h* underneath and the flange *g* above it, there is need to provide for the independent reversibility of the said plates. By unscrewing and removing the lower shell this is made very easy. The said plates are then withdrawn, reversed, and slipped back on the said rod b^2, the antifriction-rolls *a a'* being also removed and replaced.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In combination with a series of removable arms having hooked inner ends, a frame adapted to engage and hold the said ends, clamping devices provided with ball-bearings for the said frame and means of supporting the same substantially as set forth.

2. A head consisting of two opposed shells, a connecting-rod on which one of the said shells is screw-threaded and a pair of plates G and H turning on the said rod between the

said shells and provided respectively with downward flange *g* and platform *h*, in combination with a series of removable arms adapted to rest on the said platform and catch behind the said flange and means of supporting the said head substantially as set forth.

3. In combination with a circular series of arms a rotary frame to which they are removably attached, a pair of shells, means for clamping the said shells to hold the said frame, the frame being adapted to be reversed in position with respect to the said shells in order that the reversal of position of the head as a whole may leave the said frame adapted to properly support the said arms substantially as set forth.

4. In combination with a reversible head and means for supporting the same in either position, an independent reversible arm-supporting frame secured within said head and a series of arms attached to the said frame, the said head being provided with means for allowing the removal of the said frame or securely holding it at will substantially as set forth.

5. A pair of plates G H provided with a circular flange and platform for holding the radial arms in combination with a series of such arms adapted to rest on the said platform and hook behind the said flange, a double series of antifriction-balls arranged above and below the said plates an upper and lower shell a central screw-threaded rod for clamping the said shells together on the said balls and plates a supporting-rod for the said head and means of enabling it to stand on the floor or be suspended from the ceiling substantially as set forth.

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