

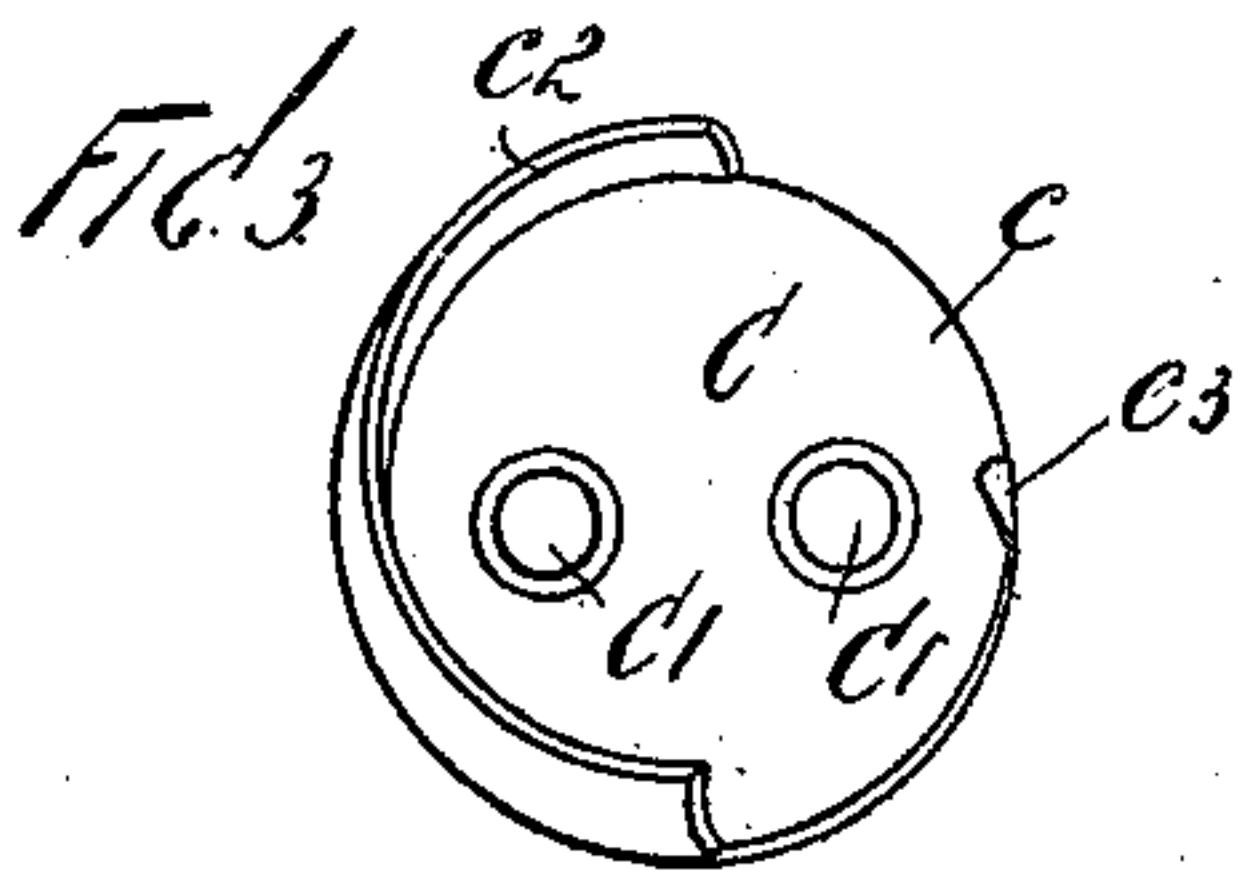
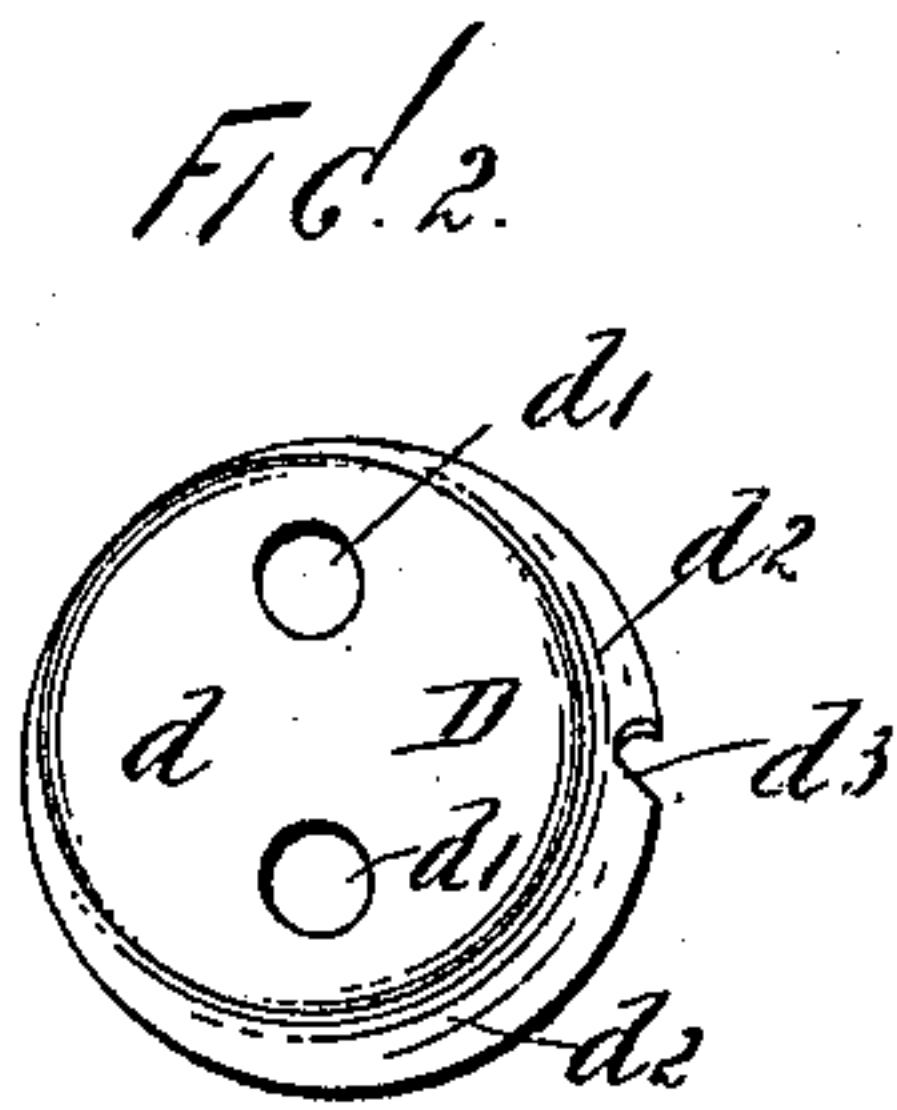
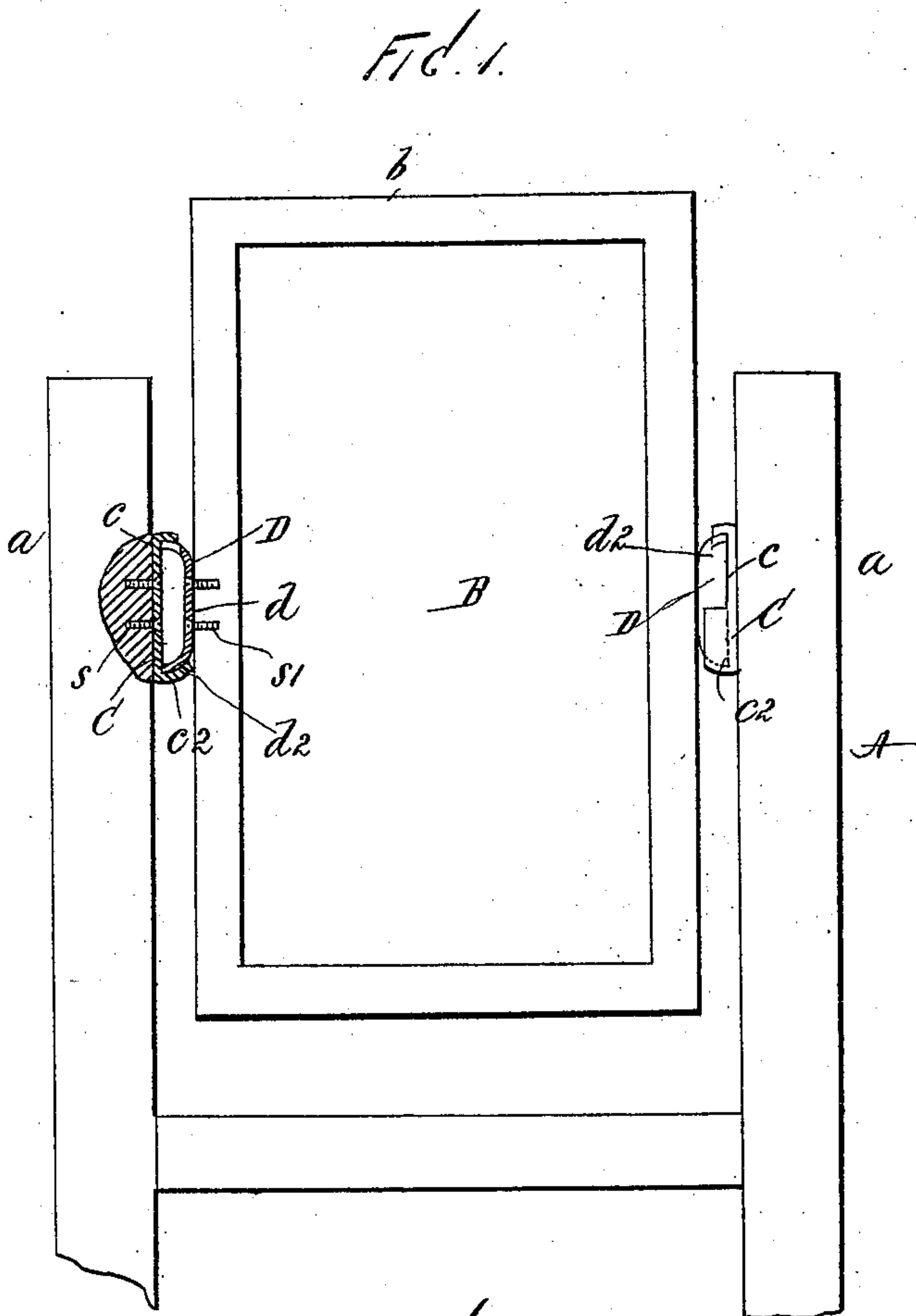
No. 617,349.

Patented Jan. 10, 1899.

C. D. NORTON.
MIRROR OR TRANSOM PIVOT.

(Application filed Feb. 16, 1898.)

(No Model.)



WITNESSES:

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INVENTOR

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BY

Edgar Tate & Co.

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UNITED STATES PATENT OFFICE.

CHARLES DOUGLAS NORTON, OF BOURNEMOUTH, ENGLAND.

MIRROR OR TRANSOM PIVOT.

SPECIFICATION forming part of Letters Patent No. 617,349, dated January 10, 1899.

Application filed February 16, 1898. Serial No. 670,503. (No model.)

To all whom it may concern:

Be it known that I, CHARLES DOUGLAS NORTON, a subject of the Queen of Great Britain, residing at Harcourt road, Boscombe
5 Park, Bournemouth, in the county of Southampton, England, have invented certain new and useful Improvements in Pivots for Transoms, Mirrors, &c., of which the following is a full and complete specification, such as will
10 enable those skilled in the art to which it appertains to make and use the same.

This invention relates to swivel-joint bearings such as are adapted to be used for swinging looking-glasses, the rollers of window-
15 blinds, and for analogous purposes; and it has for its object to provide a simple and improved device of this character which will be inexpensive in construction and effective in operation and which can be conveniently
20 applied in operative position.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by the same letters of reference in each
25 of the views, and in which—

Figure 1 is an elevation, partly in section, showing a looking-glass mounted upon a frame or pedestal by means of my improved
30 swivel-joints or bearings. Fig. 2 is a detail perspective view of the cup-shaped member of the joint device, and Fig. 3 is a detail perspective view of the socket member of the joint device.

My invention is herein illustrated as applied to a swinging looking-glass and is described in this relation; but it will be understood that it may be employed for divers purposes and in any position or relation to which
40 it is adapted.

In carrying out my invention blanks of an oval or circular shape are first cut from a plate or piece of sheet steel, brass, copper, iron, or any suitable or adapted material, the blank
45 being somewhat larger in diameter or dimensions than the joint member which is to be formed therefrom. Two or more perforations are then pierced in said blank, and the edge of the same at one side is bent up, by
50 means of any suitable stamping or pressing

machine or other method, to form a flange extending around one side of the base portion, this flange being cup-shaped, so that it forms a dovetail contour in cross-section. A similar smaller blank of circular or round
55 shape is cut from a sheet-metal plate and similarly pierced with perforations when the edges are bent up to form a curved or cup-shaped circumferential flange adapted to fit within the similar flange on the base member
60 and dovetail therewith, the inner member being adapted to have a swivel or rotary motion with respect to the base member when the members are respectively connected to the looking-glass frame and the stand or pedestal
65 therefor by means of screws or in any other suitable manner. By preference the larger or base member is secured in fixed position and the smaller or inner member is secured to the movable object, and by means
70 of the improved construction and arrangement, in which one member fits and turns within the other, a firm and rigid swivel-joint is produced, which will operate to enable the adjustment of the movable object in position
75 at any desired angle.

I will now proceed to describe my invention more specifically with relation to its structural details, and, referring to the drawings, A designates the pedestal or stand, having the
80 posts or uprights *a a*, and B designates the looking-glass, which comprises the frame *b*.

C designates the base or larger member of the swivel-joint, which comprises the circular base plate or disk *c*, having perforations
85 or openings *c'*, through which securing-screws *s* are adapted to be passed and carrying the projecting curved or angular flange *c''*, extending part way around its circumference and adapted to form a dovetail connection,
90 as shown. The flange *c''* preferably extends half-way around the circumference of the base-plate *c*. The member C is secured to the inner face of the posts or uprights *a*.

D designates the smaller or inner member
95 of the swivel-joint, which comprises a base plate or disk *d*, having openings or perforations *d'*, through which securing-screws *s'* are adapted to be passed, and the edge of said plate is surrounded by a circumferential pro-
100

jecting curved or angular flange d^2 , which is adapted to form a dovetail connection with the base member C. The member D is secured to the edges of the frame b of the looking-glass.

It will be understood that the circumferential flange of the member D is received within the part circumferential flange of the member C, so that the smaller or inner member is adapted to be turned within the larger or base member, and the engagement of the respective flanges is such that they will impinge at any point of adjustment, and thus retain the looking-glass or other movable object in any position to which it is set, and at the same time the swivel-joint may be readily and conveniently operated to adjust or change the position of the looking-glass or movable object. To provide for the separation or disconnection of the members of the swivel-joint, the base-plate c of the member C is provided at the center of the edge of its open side opposite the flange c^2 with a projecting lip or point c^3 , and a corresponding notch or recess d^3 is provided in the edge of the flange d^2 of the member D. This construction enables the member D to be slid laterally within the member C; but the former will always be locked in connection with the latter at every point of its operation, except at the one

point where the recess or notch d^3 registers with the lip or projection c^3 .

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

An improved swivel-joint or bearing of the class described, comprising a base member embodying a plate or disk and having a curved or angular flange projecting part way around its circumference, said base member being also provided with a lip or projection at its edge opposite said flange and an inner or movable member embodying a plate or disk and having a circumferential curved or angular projecting flange provided with a notch or recess in its edge, the flanges of the respective members being adapted to form a dovetail connection in which the flange of the inner or movable member is received within the flange of the base member, said members being separable, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 31st day of January, 1898.

CHARLES DOUGLAS NORTON.

Witnesses:

STANLEY GEERE,
JNO. GOULD.