(No Model.)

C. P. OUDIN.

FRICTION HINGE.

No. 347,124. Patented Aug. 10, 1886.

Fig. 1.

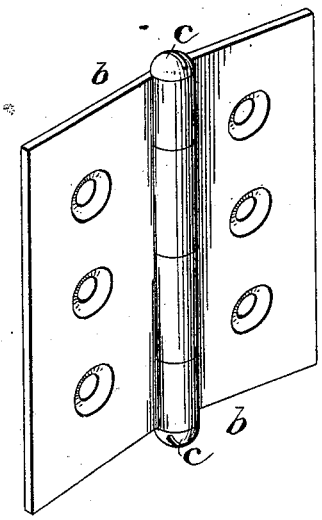
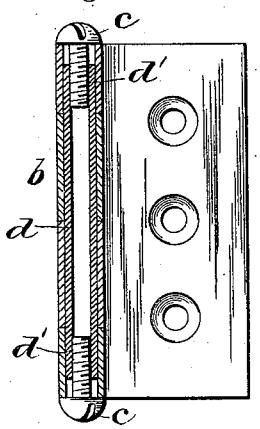


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CHARLES P. OUDIN, OF NEW YORK, N. Y.

FRICTION-HINGE.

SPECIFICATION forming part of Letters Patent No. 347,124, dated August 10, 1886.

Application filed December 9, 1885. Serial No. 185,146. (No model.)

To all whom it may concern:

Be it known that I, CHARLES P. OUDIN, of the city, county, and State of New York, have invented a new and useful Friction-Hinge, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved hinge, and Fig. 2 a section of the same through the knuckles and pintle.

My invention consists in the construction and arrangement of parts, as will be hereinafter fully described and claimed.

The two leaves *b b* of the hinge are of the ordinary construction, each leaf having in the present instance two knuckles. Within the knuckles is placed a tubular pintle, *d*, which is of less length than the combined lengths of the several knuckles. The pintle is interiorly screw-threaded at both ends, and into these screw-threaded ends are passed the screws *c c*, the heads of which bear on the outer ends of the outer knuckles, so that by tightening either screw the heads of both screws will be pressed tightly against the said outer knuckles and cause more or less friction to be exerted when the leaves are turned with respect to each other.

The hinge is designed especially for use in folding mirrors and screens; but it is adapted for general use where friction is desired between two hinged parts.

I am aware that the sections of a folding mirror have had upper and lower collars projecting from their adjacent edges through aligned apertures, in which rods were passed. A tube was fitted on the rod between the upper and lower collars, and the ends of the rods were screw-threaded and provided with nuts, by means of which more or less friction could be produced between the collars; and I am also aware that the knuckles of a hinge have been connected by a tubular pintle having a flaring head at one end, a flaring socket at the other end, and interiorly screw-threaded between its ends. The apertures of the outer knuckles were countersunk to receive the head of the pintle and the head of a screw fitting into the socketed end of the pintle. A headless locking-screw was screwed into the interior screw-threaded part of the pintle to lock the headed screw in place, and I do not claim the said construction as of my invention.

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

A friction-hinge consisting of the leaves *b b*, having knuckles, the tubular pintle, screw-threaded interiorly at its ends, fitting within the knuckles, and of less length than the combined lengths of said knuckles, and the screws *c c*, engaging the said screw-threaded ends of the pintle, and bearing with their heads against the outer knuckles, substantially as set forth.

CHARLES P. OUDIN.

Witnesses:
H. A. WEST,
C. SEDGWICK.