No. 825,676. PATENTED JULY 10, 1906.

E. A. PHILLIPS.

LOCKET.

APPLICATION FILED FEB. 27, 1906.

Fig. 1.

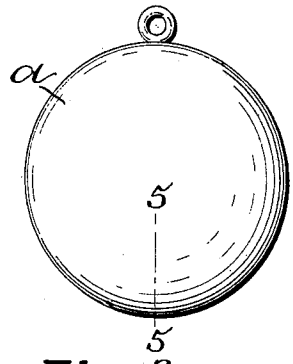


Fig. 2.



Fig. 3.

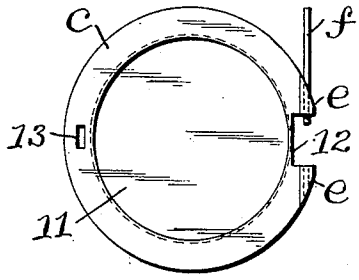


Fig. 4.

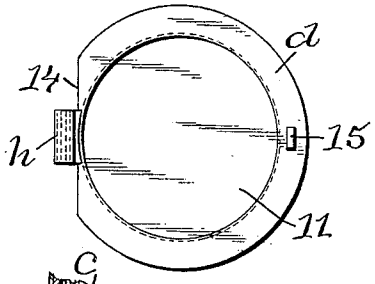


Fig. 5.

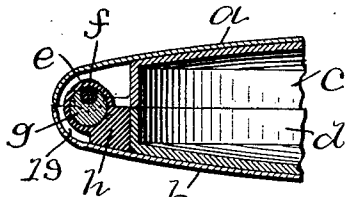


Fig. 6.

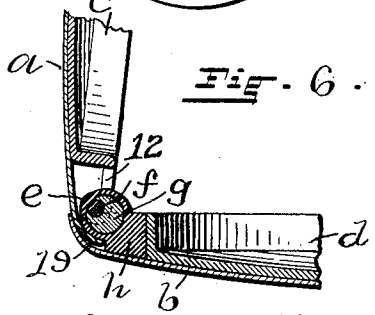


Fig. 7.

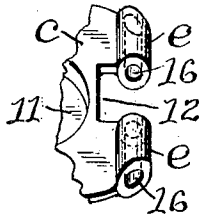


Fig. 8.



Fig. 9.

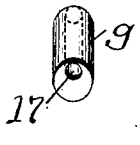
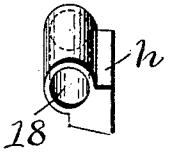


Fig. 10.



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LOCKET.

No. 825,676. Specification of Letters Patent. Patented July 10, 1906.

Application filed February 27, 1906. Serial No. 303,259.

To all whom it may concern:

Be it known that I, EDGAR A. PHILLIPS, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Lockets, of which the following is a specification.

This invention has reference to an improvement in lockets, and more particularly to an improvement in concealed hinges for lockets.

The object of my invention is to improve the construction of a concealed hinge for lockets whereby a locket is provided with a strong and durable hinge which is entirely concealed when the locket is closed.

A further object of my invention is to construct a concealed hinge (for lockets) having a minimum number of parts, thereby reducing the cost of manufacturing the same.

My invention consists in the peculiar and novel construction of a concealed hinge for lockets, which will be more fully set forth hereinafter and pointed out in the claims.

Figure 1 is a front view of my improved locket. Fig. 2 is an edge view of the locket. Fig. 3 is an inner face view of the front frame. Fig. 4 is an inner face view of the back frame. Fig. 5 is an enlarged detail sectional view taken on line 5 5 of Fig. 1 through the hinge, showing the component parts of the hinge in the position they would assume with the locket in the closed position. Fig. 6 is an enlarged detail sectional view, similar to Fig. 5, showing the position the component parts of the hinge would assume with the locket in the open position; and Figs. 7, 8, 9, and 10 are enlarged detail perspective views of the component members of the hinge.

In the drawings, *a* indicates a front cover; *b*, a back cover; *c*, a front frame; *d*, a back frame; *e e*, outer hinge-knuckles on the front frame *c*; *f*, a pintle; *g*, a roll, and *h* a central hinge-knuckle on the back frame *d* of a locket.

The front and back covers *a* and *b* are dished and shaped to form the case of a circular locket. These covers *a* and *b* are secured to the front and back frames *c* and *d* by solder or other means. The front and back frames *c* and *d* each have the circular depressed portions 11 11 for the purpose of receiving the pictures. The front frame *c* has a cut-away edge, forming an opening 12, on each side of which are secured the hinge-knuckles *e e*, and an oppositely-disposed hole 13, forming one part of a snap, as shown in Fig. 3. The back frame *d* has the cut-away portion 14, to which the hinge-knuckle *h* is centrally secured, and the oppositely-disposed teat 15, as shown in Fig. 4, which, in conjunction with the hole 13 in the front frame *c*, forms the snap of the locket.

The outer hinge-knuckles *e e* each have a central hole 16 for the round wire pintle *f*. These knuckles *e e* may be secured to the edge of the front frame *c* at each side of the opening 12, as shown in Fig. 7, or formed integral with the front frame *c*. The roll *g* has the off-center hole 17 for the pintle *f*, as shown in Fig. 9. The hinge-knuckle *h* has the cylindrical bore 18 for the roll *g*, as shown in Fig. 10, and is shaped to form the semicircular cavity 19 between the hinge and the back cover *b*, as shown in Fig. 5. This knuckle *h* may be secured centrally to the cut-away portion 14 of the back frame *d*, as shown in Fig. 4, or formed integral with the back frame.

The hinge is assembled by placing the roll *g* in the bore 18 in the hinge-knuckle *h*, placing the hinge-knuckle *h* in the opening 12 in the front frame *c* in a position for the holes 16 16 in the knuckles *e e* to coincide with the off-center hole 17 in the roll *g*, and then forcing the pintle *f* through the holes 16 16 in the knuckles *e e* and the hole 17 in the roll *g* and securing the pintle *f* in the knuckles *e e* by solder or other means.

When the locket is opened, the pintle *f* turns in the off-center hole 17 in the roll *g*, the roll *g* turns in the bore 18 in the hinge-knuckle *h*, and thereby imparts an eccentric movement to the pintle with respect to the axis of rotation of roll *g*, and the adjacent curved edge of the front cover *a* enters the semicircular cavity 19 between the hinge and the back cover *b*, as shown in Fig. 6. These movements of the hinge members are reversed in closing the locket, and when the locket is closed the hinge is entirely concealed, as shown in Fig. 5.

It is evident that any means may be used for holding the locket in the closed position or for securing the locket to a chain or similar article without materially affecting the spirit of my invention.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

1. In a locket, a concealed hinge comprising outer and central hinge-knuckles, a pintle extending through the outer and central hinge-knuckles, and rotatable means intermediate the central hinge-knuckle and the pintle whereby the pintle is adapted to have a rotary and an eccentric motion with respect to the axis of rotation of said means in opening and closing the locket.

2. In a locket, a concealed hinge comprising outer and central hinge-knuckles, a roll having an off-center hole in the central hinge-knuckle, and a pintle extending through the outer hinge-knuckles and the off-center hole in the roll, whereby the pintle is adapted to turn in the off-center hole in the roll and the roll with the pintle turn in the central hinge-knuckle to impart an eccentric movement to said pintle with respect to the axis of rotation of roll *g* in opening and closing the locket.

3. In a locket, a concealed hinge comprising outer hinge-knuckles and a central hinge-knuckle shaped to form a cavity between the hinge-knuckle and the back cover of the locket, a roll having an off-center hole in the central hinge-knuckle, and a pintle extending through the outer hinge-knuckles and the off-center hole in the roll, whereby the pintle is adapted to turn in the off-center hole in the roll, the roll with the pintle turn in the central hinge-knuckle, to impart an eccentric movement to said pintle with respect to the axis of rotation of roll *g* and the adjacent edge of the front cover of the bracket to enter the cavity between the hinge-knuckle and the back cover, in opening the locket.

4. A concealed hinge for lockets, comprising outer hinge-knuckles *e e* each having a hole 16, a pintle *f*, a roll *g* having the off-center hole 17 for the pintle *f*, and a central hinge-knuckle *h* having a cylindrical bore 18 for the roll *g*, whereby the pintle *f* is adapted to turn in the off-center hole 17 in the roll *g* and the roll *g* with the pintle *f* turn in the cylindrical bore 18 of the hinge-knuckle *h* to impart eccentric movement to said pintle with respect to the axis of rotation of said roll in opening and closing the hinge, as described.

5. In a locket, the combination of a front cover *a*, a back cover *b*, a front frame *c* having a depressed portion 11, an opening 12 in the edge and an oppositely disposed hole 13, a back frame *d* having a depressed portion 11, a cut-away portion 14, and an oppositely-disposed teat 15, outer hinge-knuckles *e e* on the front frame *c* at each side of the opening 12, each knuckle having a hole 16, a pintle *f* adapted to extend through the holes 16 16 in the hinge-knuckles *e e*, a roll *g* having the off-center hole 17 for the pintle *f* and a central hinge-knuckle *h* having the cylindrical bore 18 for the roll *g* and shaped to form a cavity 19 between the knuckle and the back cover *b*, whereby the pintle *f* is adapted to turn in the off-center hole 17 in the roll *g*, the roll with the pintle *f* turn in the cylindrical bore 18 in the central hinge-knuckle *h* to impart eccentric movement to said pintle with respect to the axis of rotation of said roll *g*, and the adjacent edge of the front cover *a* to enter the cavity 19 in opening the locket, as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDGAR A. PHILLIPS.

Witnesses:

ADA E. HAGERTY,

J. A. MILLER.