

No. 840,871.

PATENTED JAN. 8, 1907.

L. E. SADLER.  
BRACELET LOCKET.

APPLICATION FILED APR. 27, 1906.

Fig. 1.

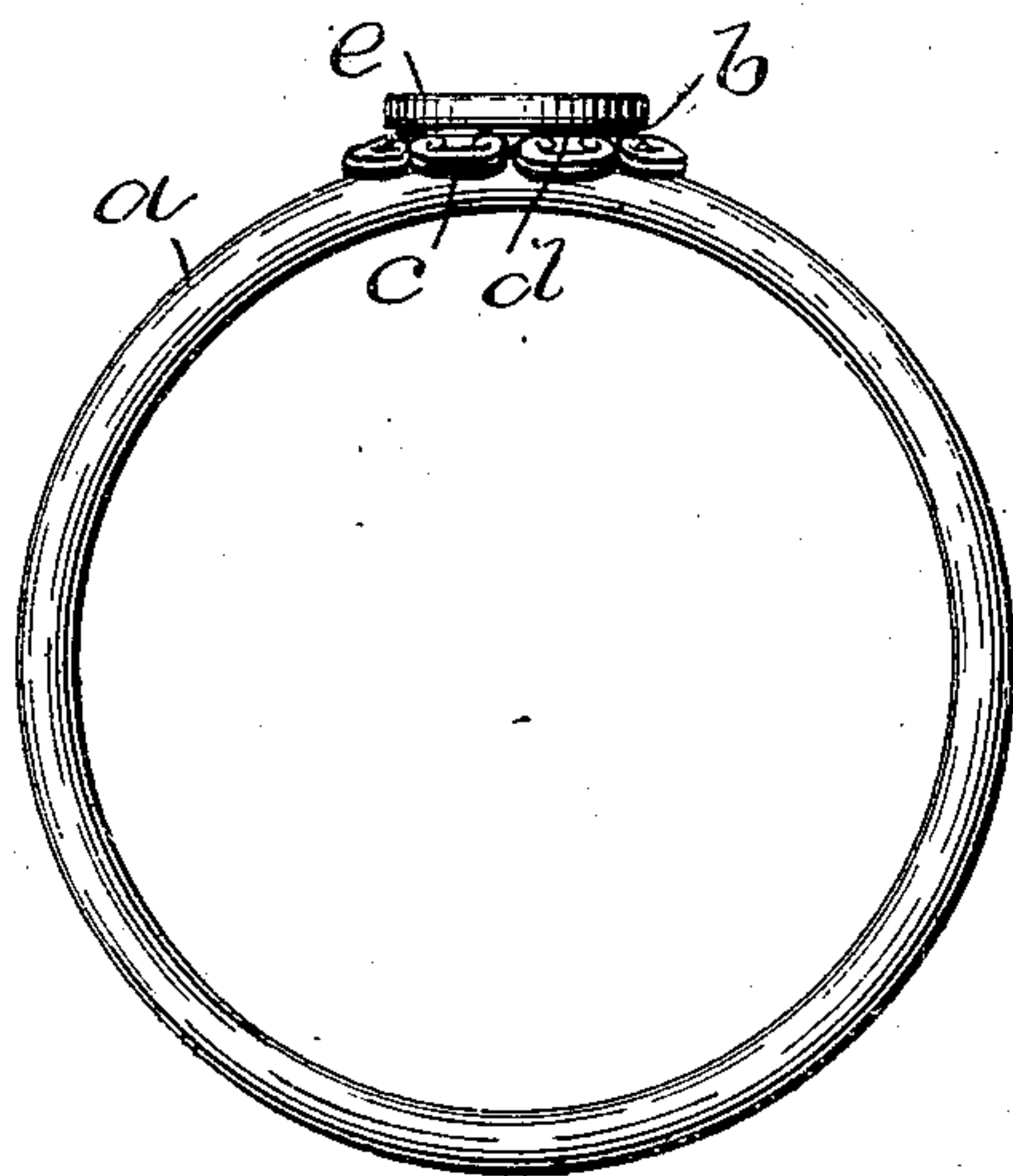


Fig. 3.

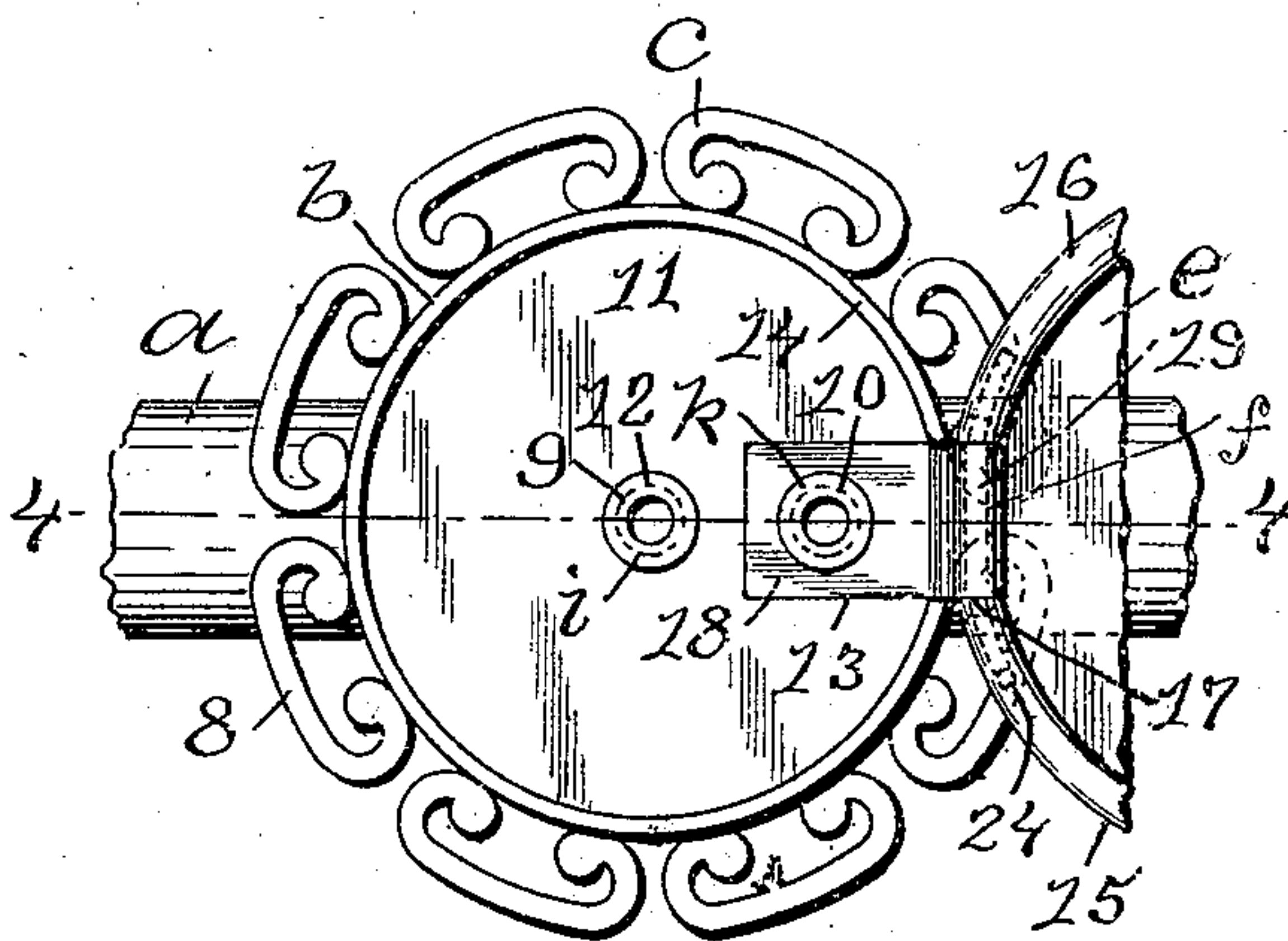


Fig. 2.

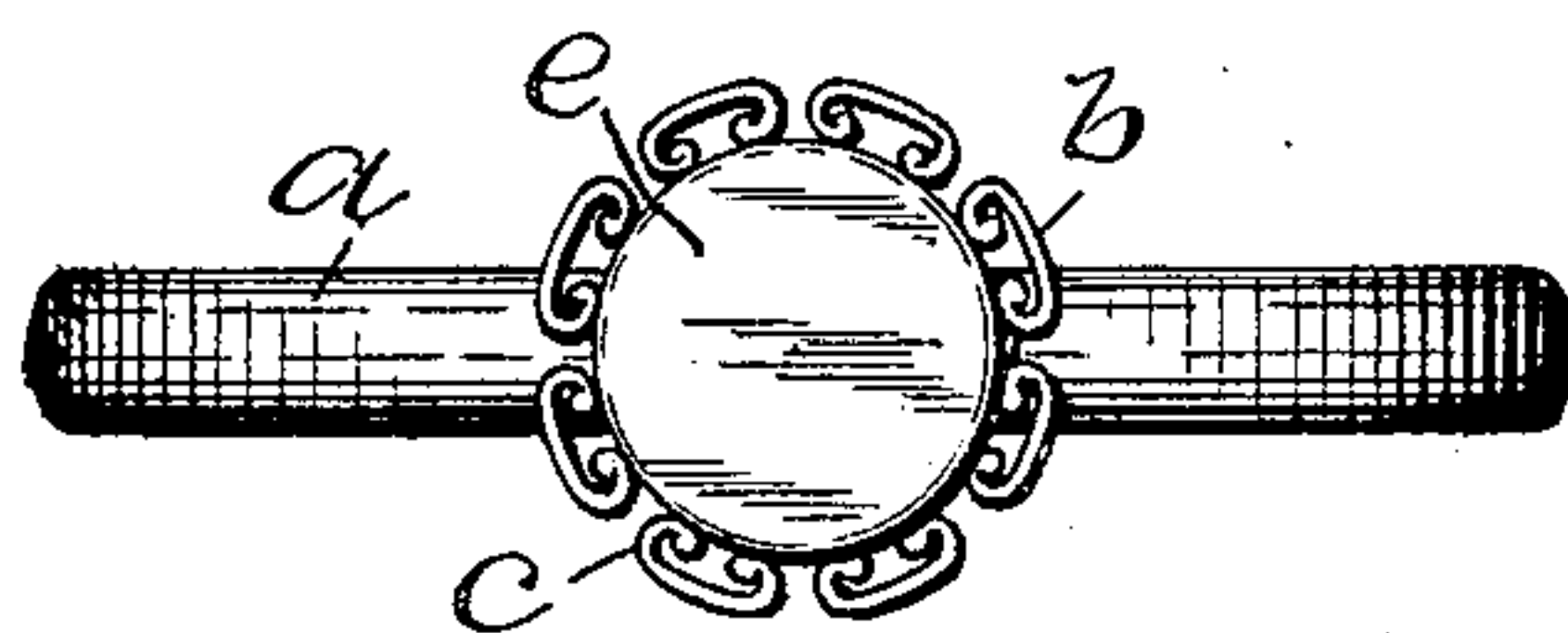


Fig. 4.

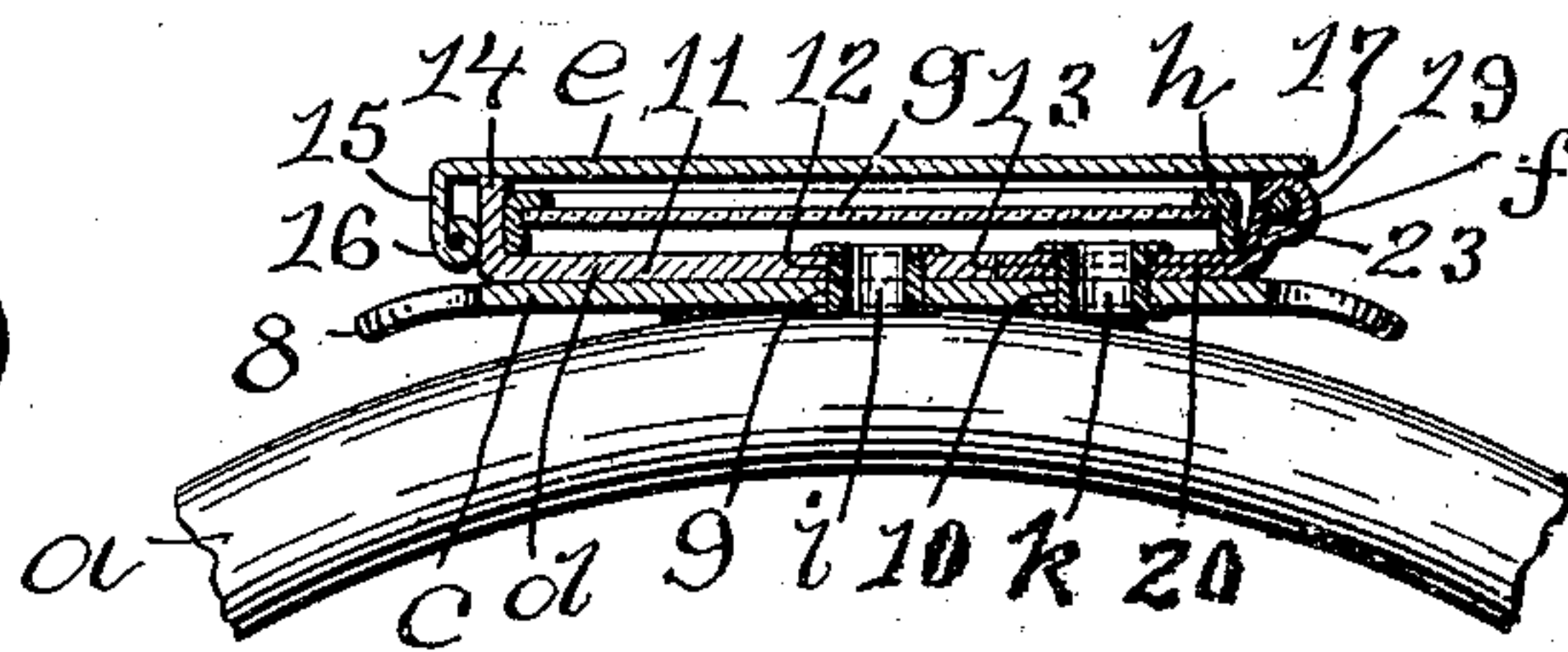


Fig. 5.

Fig. 6.

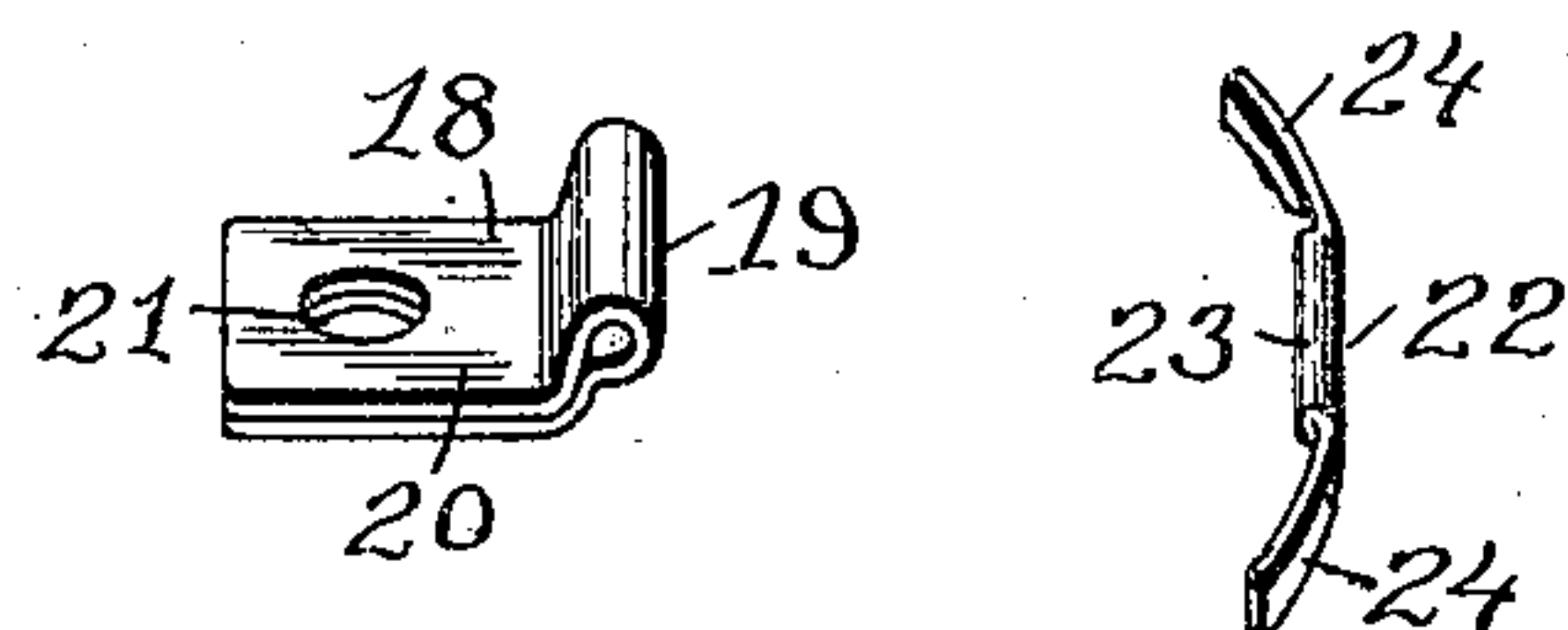
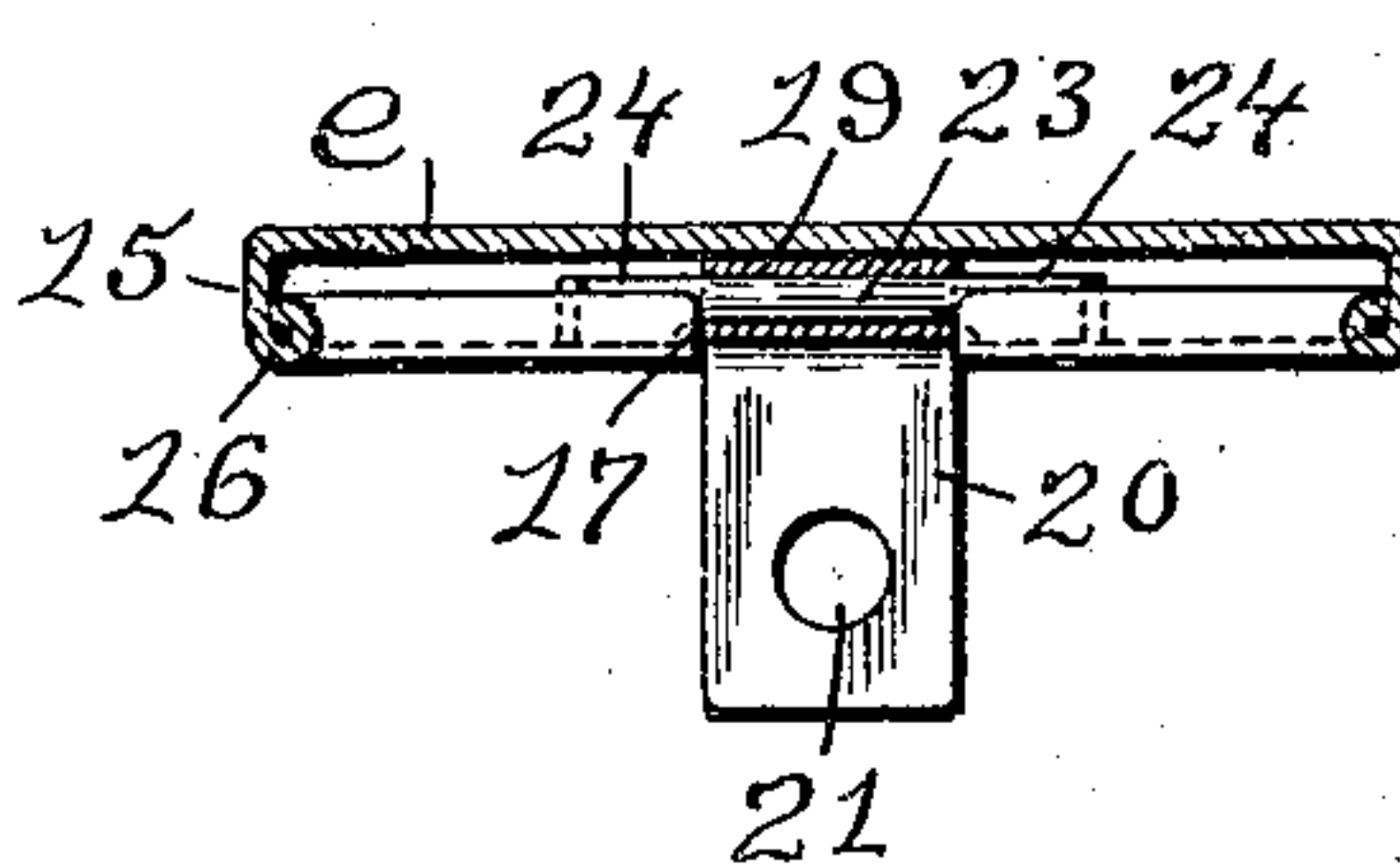


Fig. 7.



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# UNITED STATES PATENT OFFICE.

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## BRACELET-LOCKET.

No. 840,871.

Specification of Letters Patent.

Patented Jan. 8, 1907.

Application filed April 27, 1906. Serial No. 313,994.

*To all whom it may concern:*

Be it known that I, LOUIS E. SADLER, a citizen of the United States, residing at Attleboro, in the county of Bristol and State of Massachusetts, have invented a new and useful Improvement in Bracelet-Locks, of which the following is a specification.

This invention has reference to an improvement in locks, and more particularly to an improvements in bracelet-locks.

The object of my invention is to improve the construction of a bracelet-lock whereby the use of solder in the construction and assembling of the lock is eliminated.

A further object of my invention is to provide a bracelet-lock with a semiconcealed spring-hinge, the spring being formed integral with the hinge, whereby the lock is closed against the spring tension of the hinge and held by frictional contact in the closed position by the tension of the spring-hinge.

A still further object of my invention is to simplify the construction of a bracelet-lock, thereby reducing the cost of manufacturing the lock.

My invention consists in the peculiar and novel construction of a bracelet-lock having details of construction, as will be more fully set forth hereinafter and claimed.

Figure 1 is a side view of my improved bracelet-lock, showing the lock in the closed position. Fig. 2 is an edge view of the bracelet looking at the face of the lock. Fig. 3 is an enlarged face view of the lock in the open position, showing the cover of the lock and the bracelet broken away and the transparent disk and retaining-ring removed from the body of the lock. Fig. 4 is an enlarged sectional view taken on line 4 4 of Fig. 3 through the lock, with the cover of the lock in the closed position. Fig. 5 is an enlarged detail perspective view of the spring-hinge member. Fig. 6 is an enlarged detail perspective view of the hinge-pintle; and Fig. 7 is an enlarged transverse sectional view of the lock-cover, showing the spring-hinge member in section and the hinge-pintle secured to the cover.

In the drawings, *a* indicates a bracelet member, which may be of any kind, design, or configuration, and *b* a circular lock member secured to the bracelet member *a* and consisting of a plate *c*, a body *d*, a cover *e*, a spring-hinge *f*, a transparent disk *g*, a re-

taining-ring *h*, a tubular rivet *i*, and a tubular rivet *k*.

The plate *c* has the ornamental border 8, the central hole 9 for the rivet *i*, and the off-center hole 10 for the rivet *k*, as shown in Figs. 3 and 4.

The body *d* is in the form of a shallow circular box having the bottom 11, in which is the central hole 12 for the rivet *i* and the opening 13, which extends centrally through the side 14 for the hinge *f*, as shown in Figs. 3 and 4.

The cover *e* has the circular lip 15, with the rolled-over edge 16 and the opening 17, which extends through the lip and coincides with the opening 13 in the bottom 11 of the body *d*, as shown in Figs. 3 and 7.

The hinge *f* consists of the spring member 18, stamped in an elongated form from sheet metal having a spring tension then folded over about the center to form the cylindrical knuckle 19, which is bent up at approximately right angles to the flat spring-arm 20, in which is a hole 21 for the rivet *k*, and the pintle 22, formed from wire to have the straight central portion 23 for the knuckle 19 and the flattened curved ends 24 24 for securing the pintle to the cover, as shown in Figs. 5, 6, and 7.

The body *d* is secured to the plate *c* by the rivet *i* through the central holes 9 and 12 in the plate and body in a position to bring the off-center hole 10 in the plate centrally in the opening 13 in the body *d*, the hinge secured to the cover *e* by folding the knuckle 19 of the spring member 18 around the straight central portion 23 of the pintle and securing the pintle to the cover by rolling the edges of the lip 15 adjacent the opening 17 over the flattened ends 24 24, with the knuckle 19 in the opening 17 in the cover, and the hinge secured to the plate *c* with the spring-arm 20 in the opening 13 by the rivet *k* through the holes 10 and 21 in the plate and hinge, as shown in Figs. 3 and 4.

The plate *c* is secured to the bracelet *a* by solder or other means.

When the bracelet is in the open position, as shown in Fig. 3, the knuckle 19 of the hinge springs outward from the body of the lock. The cover is closed against the tension of the spring member 18 by forcing the lip 15 of the cover over the side 14 of the body, which draws the knuckle of the hinge



in, as shown in Fig. 4. The cover is now held in the closed position by the frictional contact of the lip 15 on the cover with the side 14 of the body through the tension of the spring-hinge.

It is evident that the bracelet *b* could be constructed to have any design or configuration desired 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. A locket comprising a body, a cover and a spring-hinge, said hinge having a portion rigidly secured to said body and a portion having pivotal relation to said cover and projecting beyond said body, said last-named portion exerting a constant tension on said cover while the latter is closed to retain same in closed position with respect to said body.

2. A locket comprising a body, a cover and a spring-hinge, said hinge consisting of a base portion rigidly secured to the upper face of the bottom of said body and an upwardly-extending resilient portion pivotally secured to said cover and exerting a constant tension on the latter while it is closed to retain the same in closed position with respect to said body.

3. A locket comprising a body, a cover having a lip, and a spring-hinge consisting of a spring member forming the knuckle of the hinge secured to the body and a pintle in the knuckle secured to the cover by rolling a portion of the lip on the cover over the ends of the pintle, whereby the cover is pivotally secured to the body and held in the closed position by the frictional contact of another portion of the lip on the cover with the body of the locket, through the tension of the spring-hinge, as described.

4. A locket comprising a plate, a body in

the form of a shallow box, in the bottom of which is an opening extending through the side, a cover having a lip in which is an opening, and a spring-hinge consisting of a spring member forming the knuckle of the hinge secured to the plate and located in the opening in the body, and a wire pintle having a straight central portion in the knuckle and flattened ends secured to the cover by rolling a portion of the lip on the cover over the flattened ends of the pintle, whereby the cover is pivotally secured to the body and held in the closed position by the frictional contact of another portion of the lip on the cover with the body of the locket, through the tension of the spring-hinge, and means for securing the body of the locket to the plate, as described.

5. A locket composed of a cover, a body, and a spring-hinge for pivotally securing the cover to the body, said hinge comprising a flat arm having a knuckle bent up therefrom at one end, and a pintle having a straight central portion engaging in said knuckle and flattened ends secured to said cover.

6. A locket composed of a cover, a body, and a hinge having a portion rigidly secured to said body and having an upwardly-projecting resilient knuckle, and means engaging said knuckle and secured to said cover for pivotally relating said body and cover, said knuckle exerting a constant tension on said cover while the latter is closed to thereby retain the same in closed position with respect to said body.

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

LOUIS E. SADLER.

Witnesses:

ADA E. HAGERTY,  
J. A. MILLER.