

(No Model.)

C. M. BUNKER.
LOCK HINGE.

No. 547,327.

Patented Oct. 1, 1895.

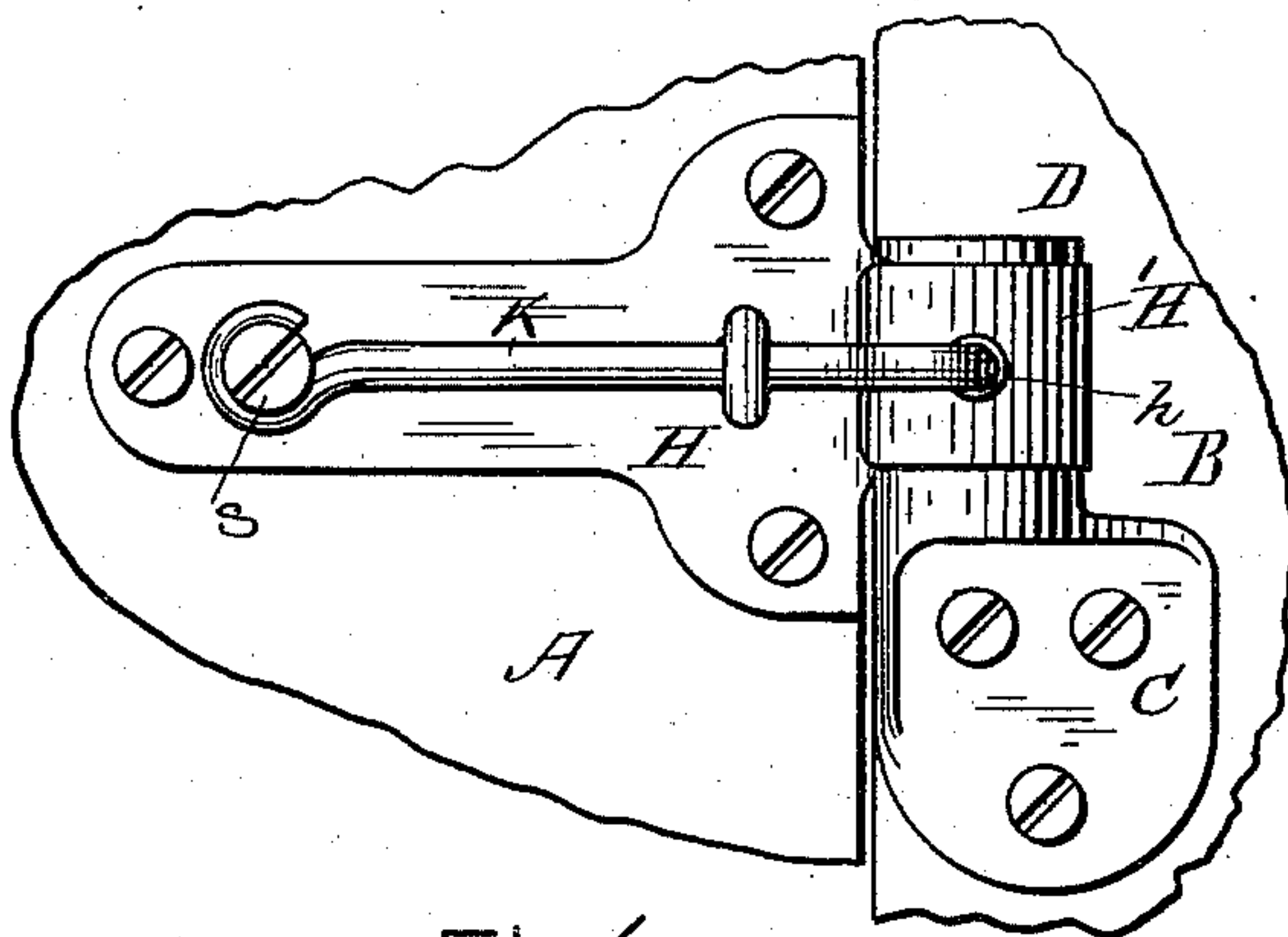


Fig. 1.

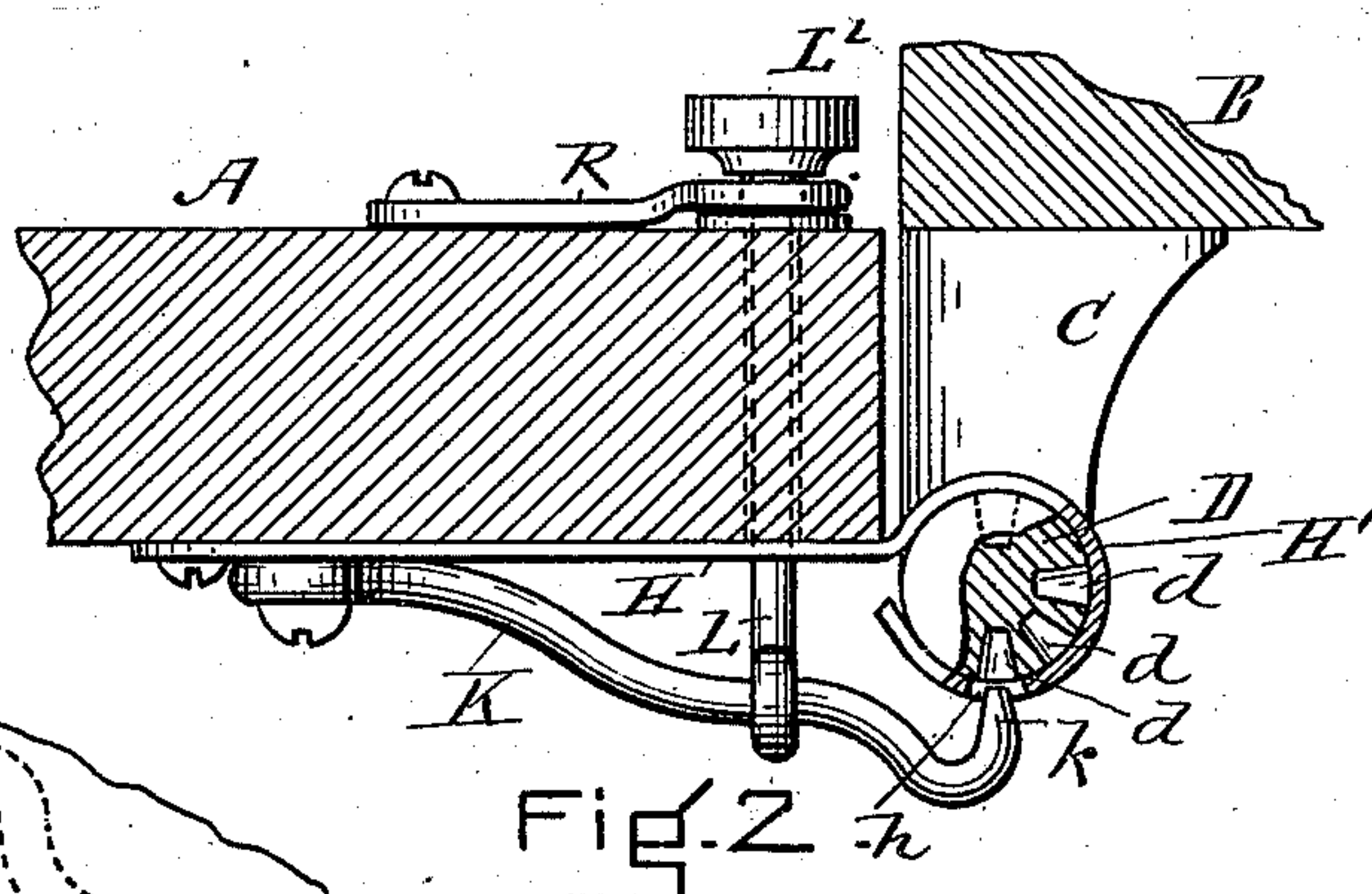


Fig. 2.

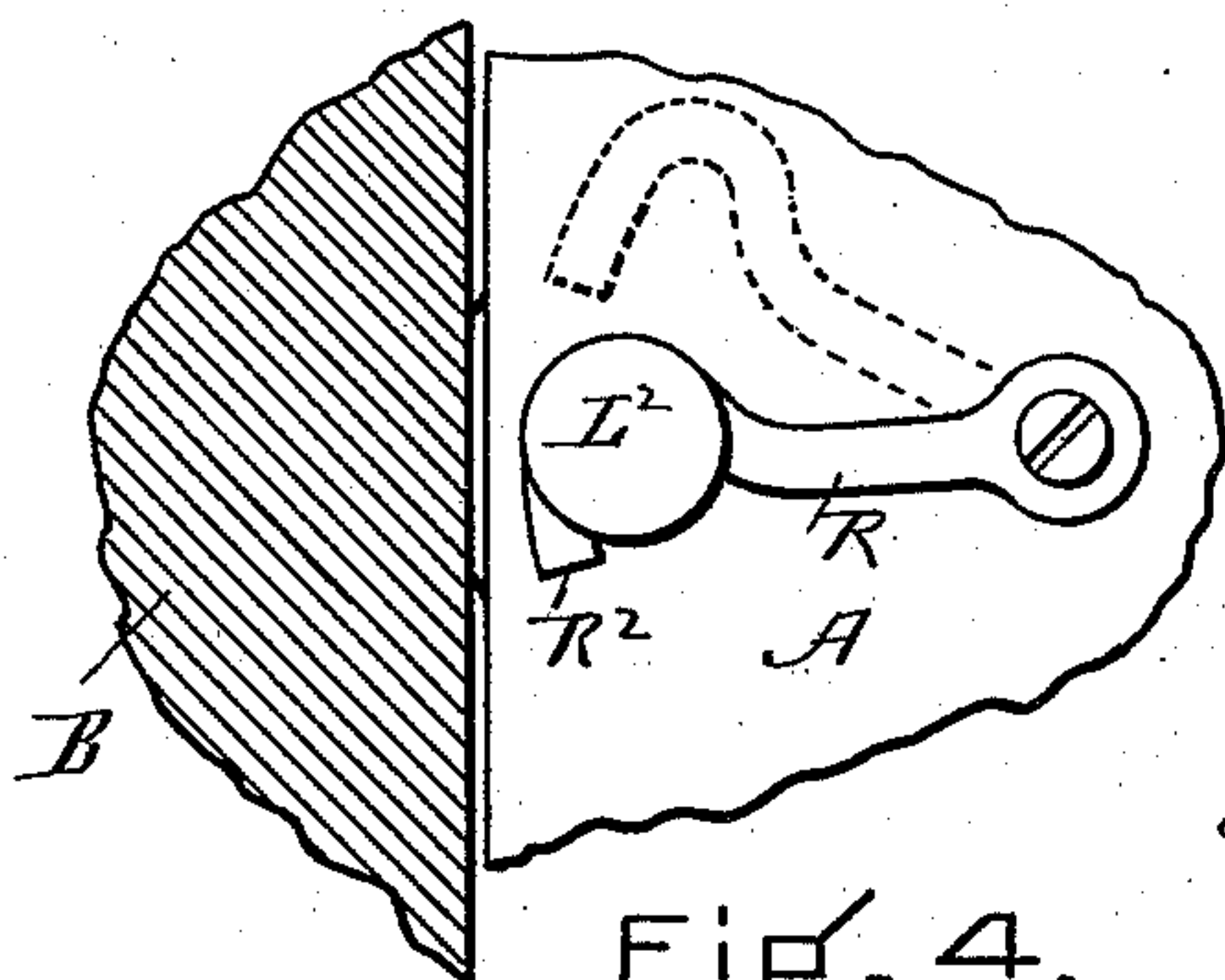


Fig. 4.

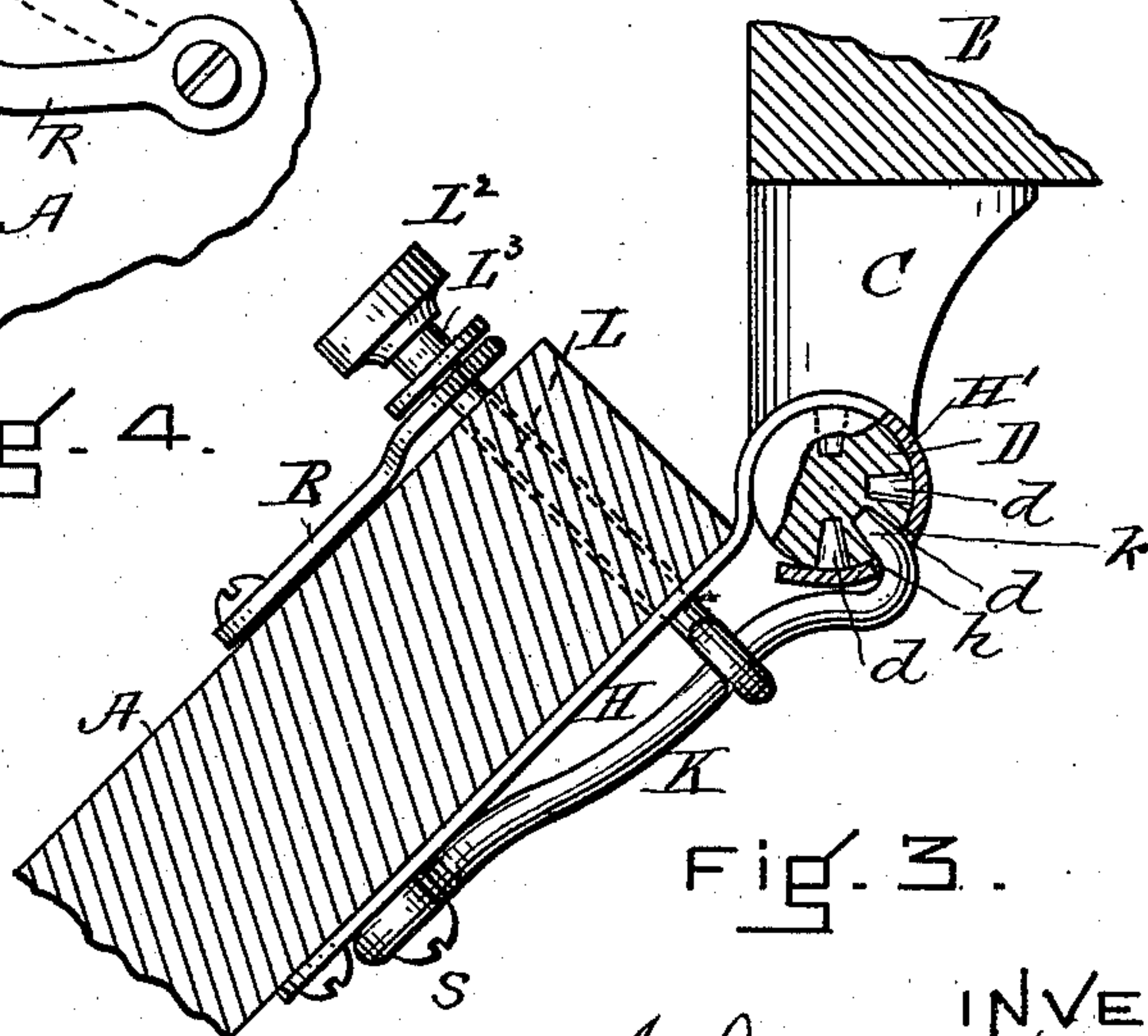


Fig. 3.

WITNESSES
William Edison
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CHARLES M. BUNKER, OF BOSTON, MASSACHUSETTS.

LOCK-HINGE.

SPECIFICATION forming part of Letters Patent No. 547,327, dated October 1, 1895.

Application filed December 10, 1894. Serial No. 531,392. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. BUNKER, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Blind-Hinges, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to that class of hinges that are used on blinds, doors, &c., that are required to be fastened when in a closed position, an open position, or partly open, as may be required; and it consists in combining with the hinge a spring-latch of peculiar construction and arrangement.

My invention is illustrated in the following drawings, in which—

Figure 1 shows my invention in elevation looking from the outside. Fig. 2 is a horizontal section taken on line *x x* of Fig. 1, the blind being represented as closed. Fig. 3 is a horizontal section as in Fig. 2, except that the blind is represented as open. Fig. 4 shows parts in elevation looking from the interior.

In the drawings I have illustrated my invention as applied to a blind-hinge; but I do not wish to confine myself to this class of hinges only, as it may be applied to doors, windows, &c.

In the illustrations, B represents a part of a window-casing, and A a part of a blind.

C represents a pintle-bracket, and D the pintle. The pintle D has on its cylindrical surface a series of holes *d d*, (see Figs. 2 and 3,) adapted to receive the point *k* of the spring-latch K.

The shank H and eye H' of the hinge are made substantially as shown, there being nothing peculiar about this part except that it has an opening *h* made in it for allowing the end *k* of the spring-latch K to pass, so that it may engage with the holes *d d* in the pintle. The spring-latch K is made fast by a screw S or other suitable means, and is so made and set that its tendency is to spring inward, so that its point *k* will enter and remain in one of

the holes *d d*, and thus lock the blind in the position in which it is set. (See Fig. 3.)

The push-bolt L passes through the blind and connects with the spring-latch K, as shown in Figs. 2 and 3. L² is a knob screwed onto the inner end of the bolt L, so as to admit of its being adjusted on the bolt to admit of varying thicknesses of blinds. The knob L² is made with an annular groove L³ to receive the hook R, as shown in Fig. 2. When the parts are in the position shown in Fig. 2, the spring-latch K is pushed out and held by the bolt L, knob L², and hook R, so that the point *k* of the spring-latch is not in engagement with any of the holes *d d* in the pintle D and the blind is free to swing.

When the parts are in the position shown in Fig. 3, the point *k* is in one of the holes *d d* in the pintle and the blind is locked in position. To prevent the point *k* from being withdrawn from the hole in the pintle (by any person outside) the hook R can be turned down, so as to be between the flange of the knob L² and the blind, so that within the bolt L or spring-latch K can be moved.

I claim—

In a blind hinge the combination of a pintle having upon its cylindrical surface a series of holes, a hinge shank H H' provided with an opening *h* and a spring latch attached to the said shank and having a point adapted to engage with the holes in the pintle; with a push bolt for operating said latch and having a knob, provided with an annular groove adapted to engage with a locking hook, and the said locking hook substantially as described, and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 8th day of December, A. D. 1894.

CHARLES M. BUNKER.

Witnesses:

FRANK G. PARKER,
WILLIAM EDSON.