

(No Model.)

F. SNYDER.
CHECK REIN HOOK.

No. 362,466.

Patented May 3, 1887.

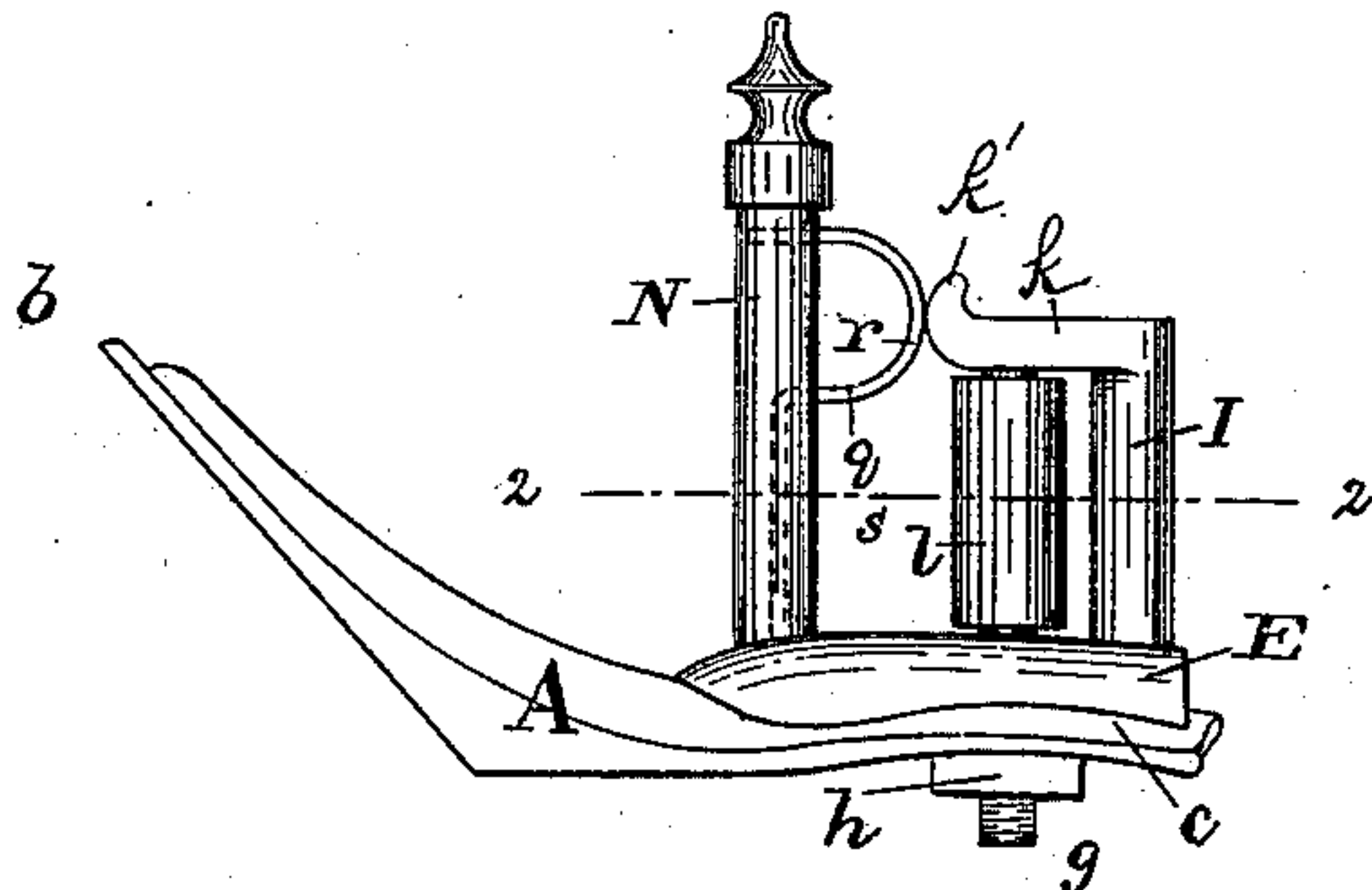


Fig. 1.

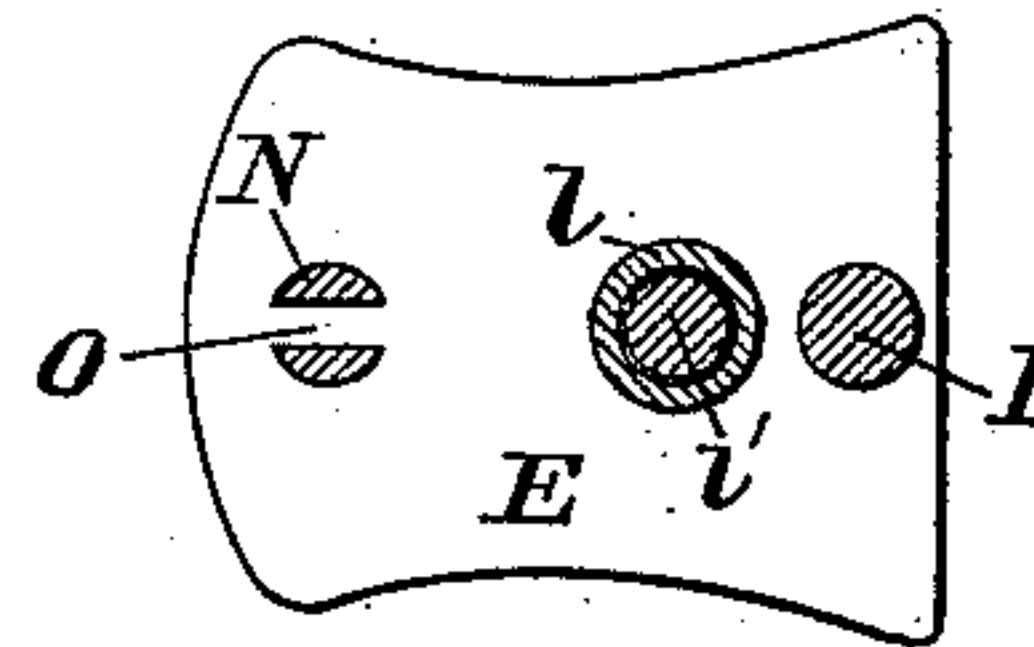


Fig. 2.

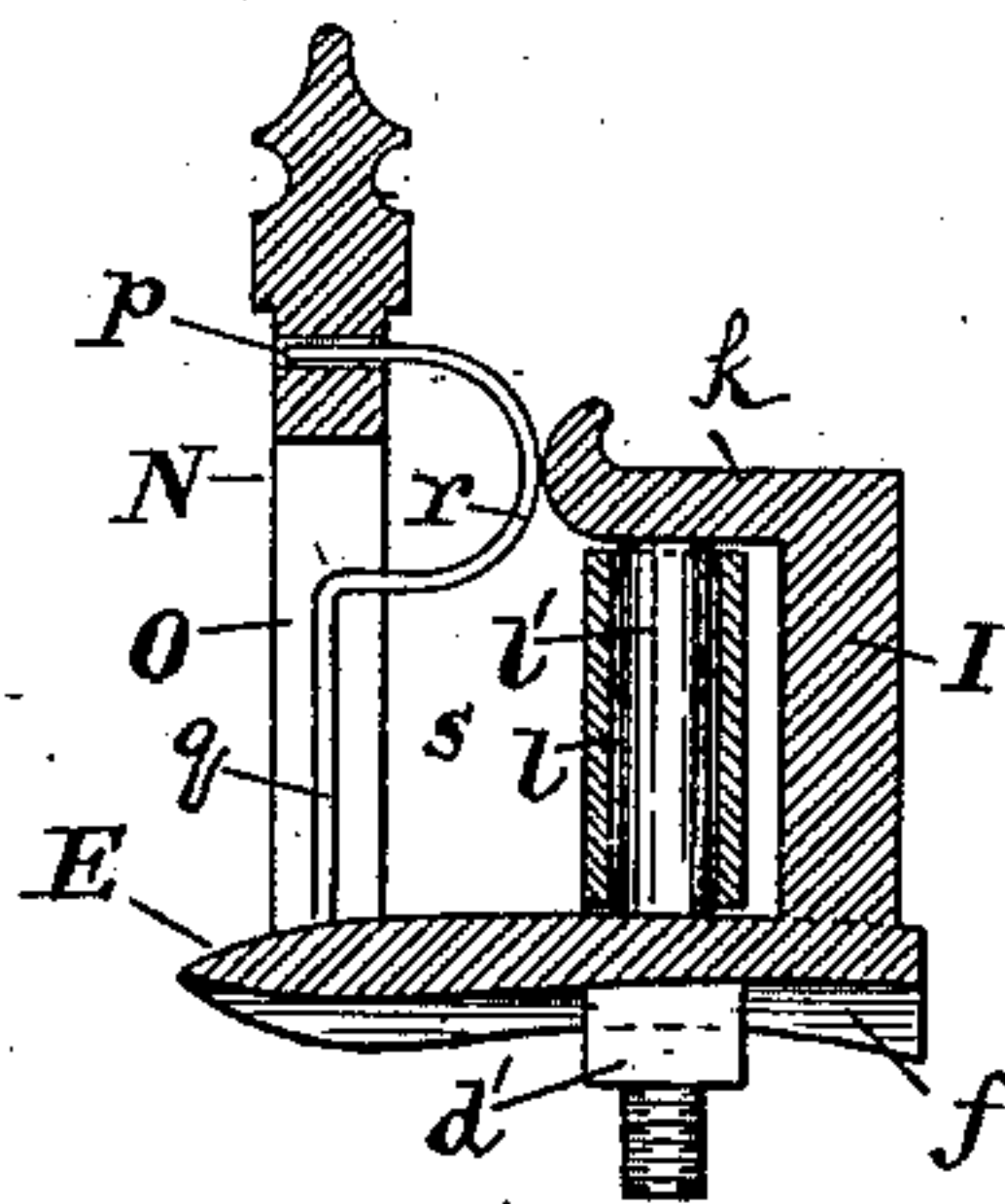


Fig. 3.

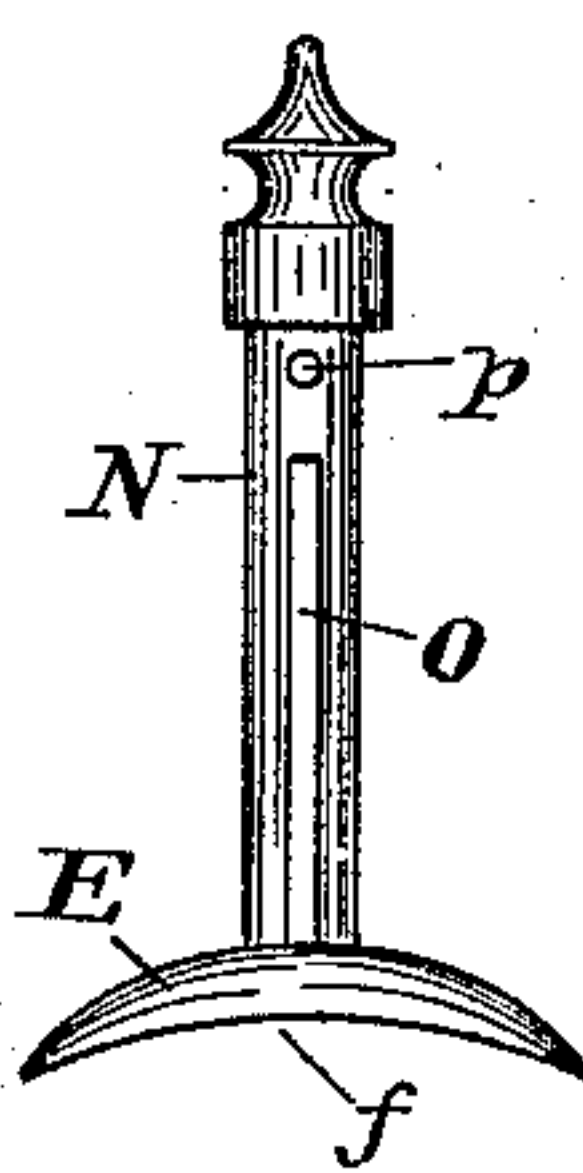


Fig. 4.

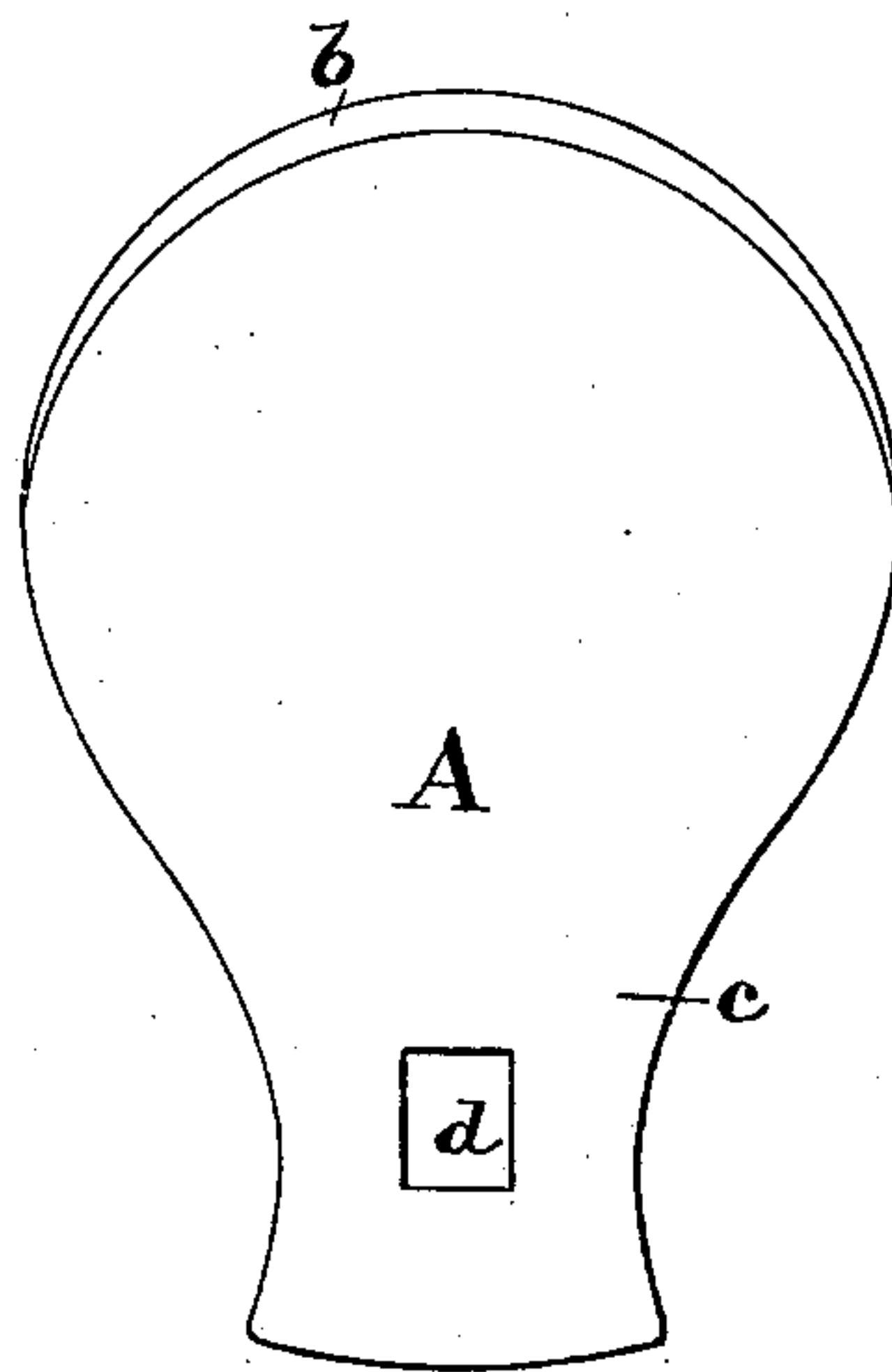


Fig. 5.

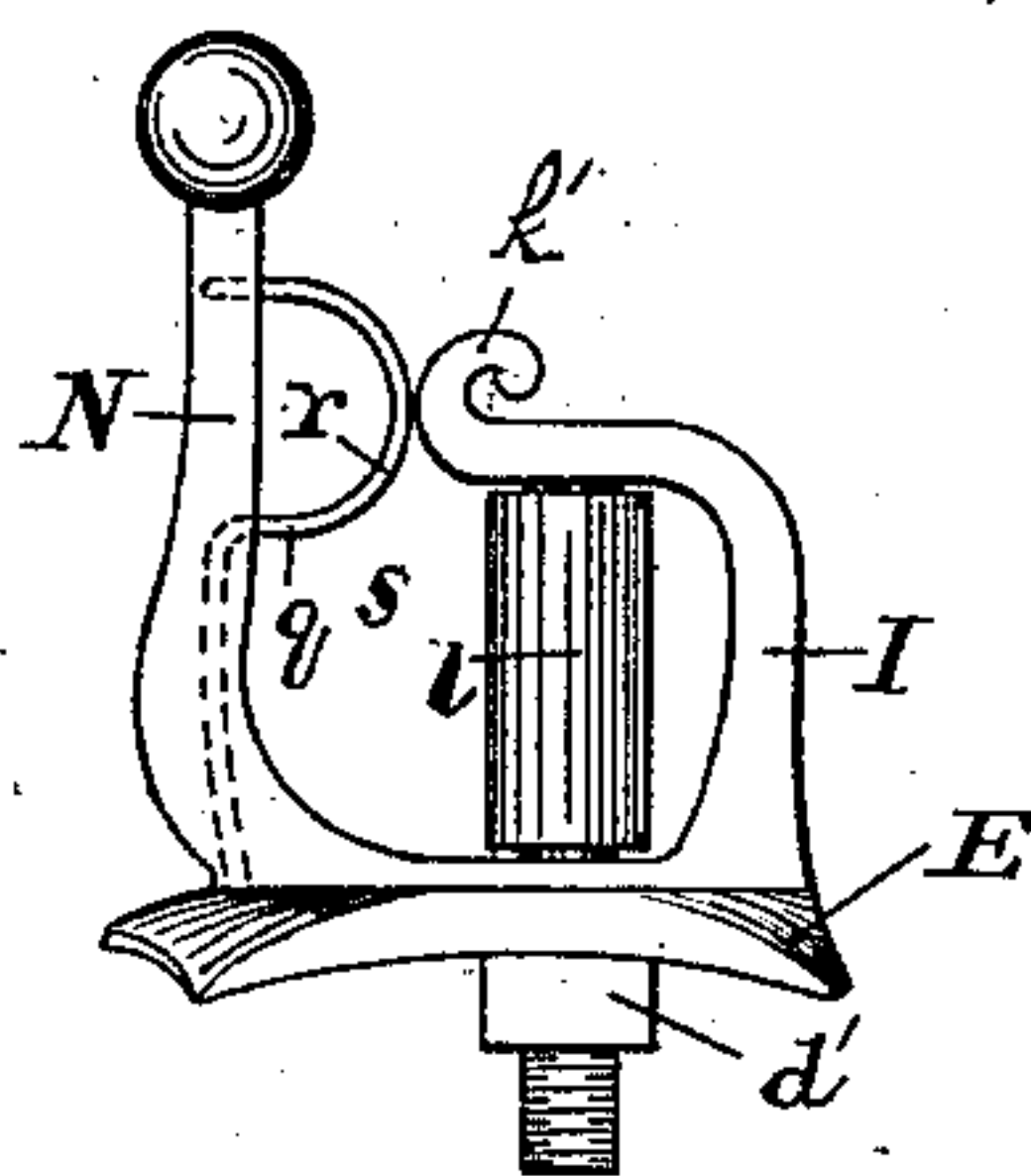


Fig. 6.

WITNESSES:

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FREDERICK SNYDER, OF HANOVER, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO TEMPETH J. LITTLE, OF SAME PLACE.

CHECK-REIN HOOK.

SPECIFICATION forming part of Letters Patent No. 362,466, dated May 3, 1887.

Application filed February 15, 1887. Serial No. 227,657. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK SNYDER, a citizen of the United States, residing at Hanover, in the county of York and State of Pennsylvania, have invented certain new and useful Improvements in Check-Rein Hooks, of which the following is a specification.

My invention relates to certain improvements in check-rein hooks for harness-saddles, whereby the device may be fitted and applied to ordinary harness-saddle plates now commonly used, and whereby the spring will be more durable and less liable to derangement.

In the accompanying drawings, Figure 1 is a side view of the hook and metal plate of the harness-saddle. Fig. 2 is a horizontal section on the line 2 2, and shows a top view of the base-plate. Fig. 3 is a longitudinal vertical section of the hook and base-plate. Fig. 4 is a rear end view of the base-plate and post. Fig. 5 is a top view of the metal plate of the harness saddle. Fig. 6 is a side view of the hook and base plate, showing a post of different form.

The letter A designates the metal plate of the harness-saddle. In general, this plate has the shape of the seat of a riding-saddle, having a broad upcurved rear end, *b*, and a narrow front end with a convex rounded top, *c*, and is provided at said front end with a square-shaped hole, *d*, through the rounded top. The base-plate E of the hook has a lower concave surface, *f*, which is adapted to rest upon and fit the convex rounded top of the saddle-plate, and is provided with a downward-projecting bolt, *g*, which is square, as at *d'*, where it adjoins the said concave surface. The square part occupies the hole in the saddle-plate, and a nut, *h*, on the bolt confines the check-rein hook and its base-plate E to the saddle-plate A. A check-rein hook having a base-plate provided with a lower concave surface may be fitted to any ordinary harness-saddle plate having a convex rounded top. The base-plate E has a front post, I, provided at its top with a rearward-extending arm, *k*,

which comprises the top of the hook *k'*, and an upright friction-roller, *l*, turns on a post, *l'*, which comprises the bearing for the check-rein. A rear post, N, on the base-plate has a vertical slot, *o*, open in the front and rear direction, and at its top a hole, *p*, and a steel spring, *q*, has its lower end fixed in the base-plate at the bottom of the vertical slot *o* and projects straight up within or occupies said slot, and has a front curved part, *r*, which presses against the hook *k'*. The point or free end of the spring occupies the said top hole, *p*.

It will be seen that the vertical slot *o* in the post affords space and room for the spring, and thereby the spring below its front curved part, *r*, does not occupy the check-rein space *s* between the rear post, N, and the friction-roller *l*, and the spring is not liable to get broken, bent, or pulled out, as in the case of similar devices heretofore made.

It will be seen, therefore, that my check-rein hook differs from those heretofore made having a spring attached to the side of a post and projecting therefrom into the space occupied by the check-rein.

Having described my invention, I claim and desire to secure by Letters Patent of the United States—

In a check-rein hook, the combination of the base-plate E, having a hook, *k'*, and a rear post, N, provided with a vertical slot, *o*, open through the post and extending from the base-plate to near the top, and a spring, *q*, projecting straight up within the said vertical slot, and having at its top a front curved part, *r*, whereby the part of the spring below the top curved part will not occupy the check-rein space and the spring is not liable to get broken, bent, or pulled out.

In testimony whereof I affix my signature in presence of two witnesses.

FREDERICK SNYDER.

Witnesses:

JOHN E. MORRIS,
JNO. T. MADDOX.