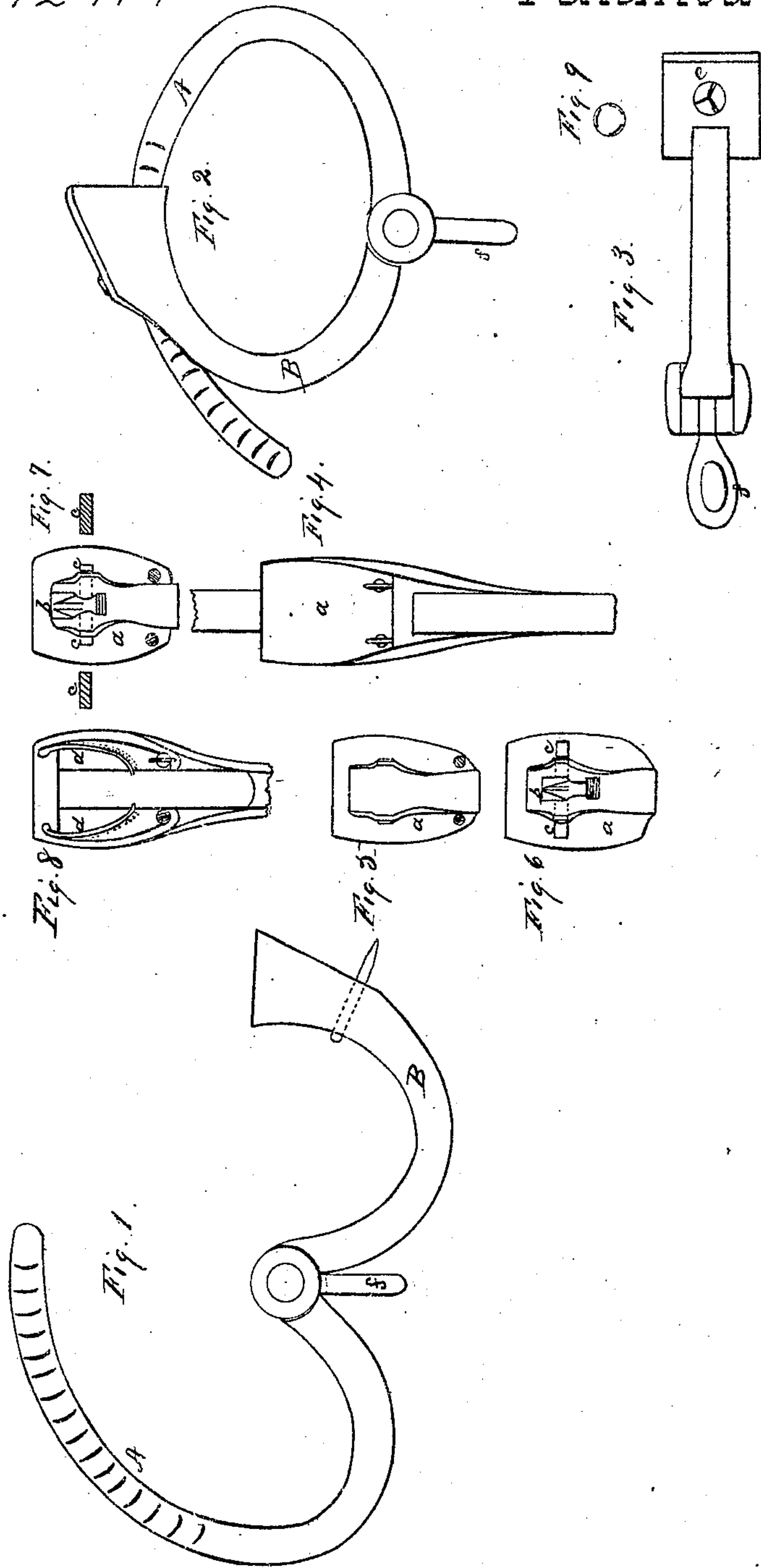


Wisner & Hoyt.

Pad Lock.

N^o 92414

Patented Jul. 6, 1869.



Witnesses
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JAMES A. WISNER AND MONSON HOYT, OF EAST SAGINAW,
MICHIGAN.

Letters Patent No. 92,414, dated July 6, 1869.

IMPROVEMENT IN LOCKS FOR HANDCUFFS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that we, JAMES A. WISNER, and MONSON HOYT, of the city of East Saginaw, in the county of Saginaw, and the State of Michigan, have invented a new and improved Mode of Constructing Handcuffs and Shackles; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and the letters of reference marked thereon.

The nature of our invention consists of a double-acting lock for handcuffs and shackles, containing a conical bolt, worked by means of a screw on its inner end, two catch-springs, working laterally into notches on both sides of the adjustable curved arm or slide which forms a main part of the instrument, and two bars, operated on by the screw-bolt, to throw them out, and open the lock, by pressing back the catch-springs.

To enable others skilled in the art to make and use our invention, we proceed to describe its construction and operation.

We construct our handcuffs and shackles of malleable iron, steel, or any other suitable metal, and in such form, that when closed they are as near the slope of the limbs they are designed for as they can be made.

The connection between the pair of instruments consists of a swivel, attached to the ring *f*, at the joint of each, thus throwing the lock on the outside, and placing it in such a position with the key-hole *e*, on the under side, that the wearer cannot reach the key-hole to unlock it.

Figure 1, in the accompanying drawings, shows the instrument when open and ready for use; also, the notches on the sides of the adjustable arm *A*;

Figure 2 shows it when closed, and held by the catch-springs;

Figure 3 is an end view, showing the position of the key-hole *e* in the lock;

Figure 4 is a top view of the lock;

Figure 5 is a view of the under side of the cap-plate *a*;

Figure 6 exhibits the lock when open, with the position of the screw-bolt *b* when pressing the bars *c* back or outwardly;

Figure 7 shows the lock closed, with the position of the screw-bolt *b* after the pressure has been removed from the bars *c*, and the bars withdrawn;

Figure 8 shows the position of the catch-springs *d* when the lock is closed, and when open, by the dotted lines; and

Figure 9 is an end view of the key.

It should be observed that the two sections or arms *A B* of the handcuff must be so formed as to fit the limbs on which they may be used, and at the same time the joint or hinge must be so placed between them that the notched arm *A* will move readily and evenly through the lock.

Having described the nature of our invention, and its construction and operation, we declare that what we claim as our invention, and desire to secure by Letters Patent, is—

The combination and arrangement of the conical screw-bolt *b*, bars *c*, catch-springs *d*, and notched arm *A*, all constructed and operated substantially as and for the purpose set forth.

JAMES A. WISNER.
MONSON HOYT.

Witnesses:

WM. S. DRIGGS,
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