

A. M. DYE.  
VOLTAIC BELT.

No. 178,611.

Patented June 13, 1876.

Fig. 1

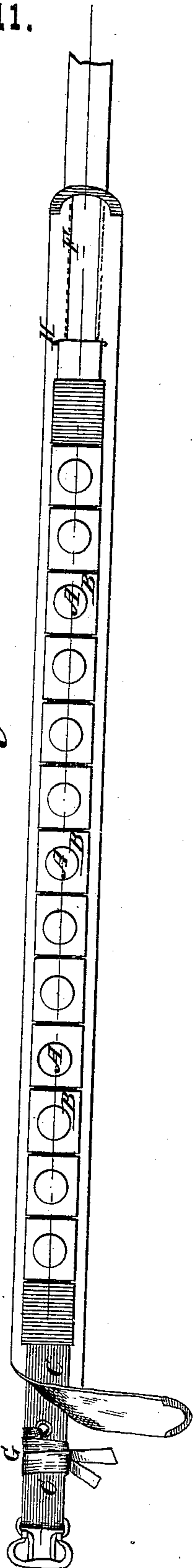


Fig. 2.

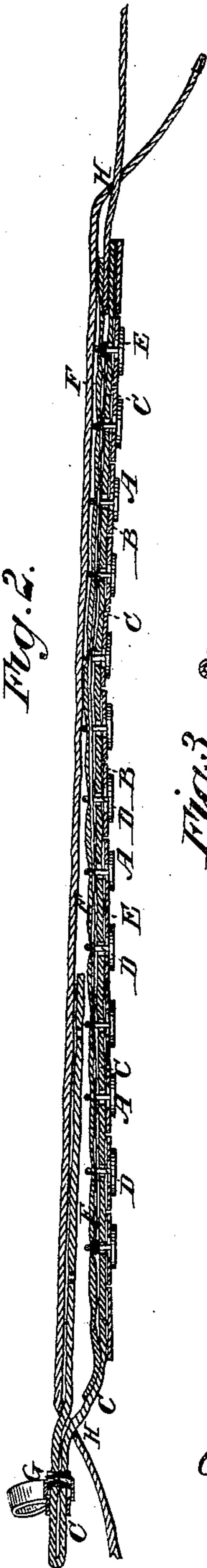
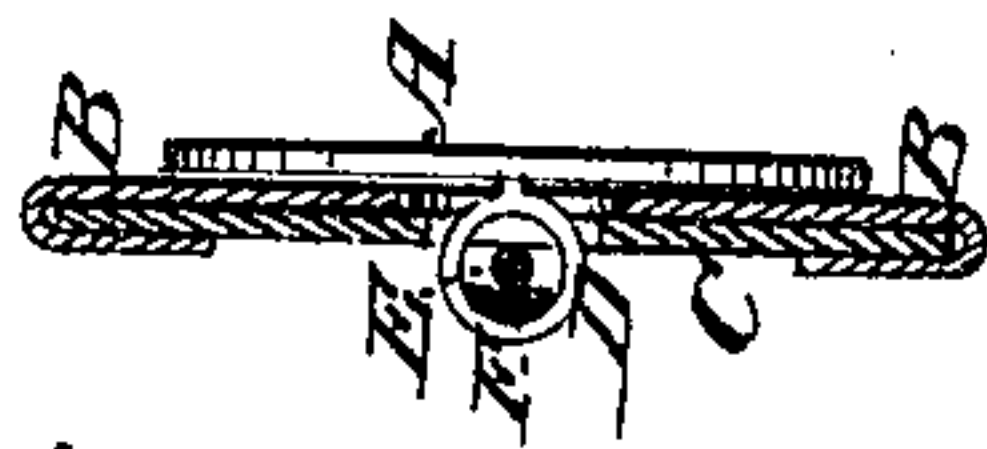


Fig. 3.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

ALEXANDER M. DYE, OF ELKHART CITY, ILLINOIS.

## IMPROVEMENT IN VOLTAIC BELTS.

Specification forming part of Letters Patent No. 178,611, dated June 13, 1876; application filed April 25, 1876.

*To all whom it may concern:*

Be it known that I, ALEXANDER M. DYE, of Elkhart City, in the county of Logan and State of Illinois, have invented a new and Improved Voltaic Belt, of which the following is a specification:

My invention consists of improvements in the construction of voltaic belts, embracing the mode of fastening the plates connecting the magnets, the material composing the belt, and the manner of combining the plate-belt and the outer belt, all as herein described.

Figure 1 is a side elevation of my improved belt. Fig. 2 is a longitudinal sectional elevation taken on the line *x x* of Fig. 1, and Fig. 3 is a transverse section.

The disks A have an eye, D, going through the plates B and felt band C, and secured by the tape F, and also by the copper wire E, which connects the magnets on the back of the felt. The plates B are also clinched over the edges of the felt, making the fastening doubly secure. I use felt for the connecting-band of the plates for the advantage of its absorbing property, which takes up the perforation and renders the belt more active and powerful. I pass the ends of the disk-band *c*

through the protecting-band F at H, so as to buckle the disk-band, whereby a better tension is obtained for it than if fastened by the other, and it also makes a simple connection of the one to the other.

The loop of the disk-band for the buckle is secured by the ribbon G.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The plates secured to the band *c* by clinching them over the edges of the band, in addition to the bottom fastening, substantially as specified.

2. The magnet, connected by a copper wire arranged in the eyes of the button and along the back of the felt band, substantially as specified.

3. The felt band in combination with the plates, substantially as specified.

4. The plate-band *c*, extended through the protecting-band F, in the manner described, for buckling together.

ALEXANDER M. DYE.

Witnesses:

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