

JOHN COY.

Improvement in Device for Overcoming Dead-Centers.

No. 126,526.

Patented May 7, 1872.

Fig. 1.

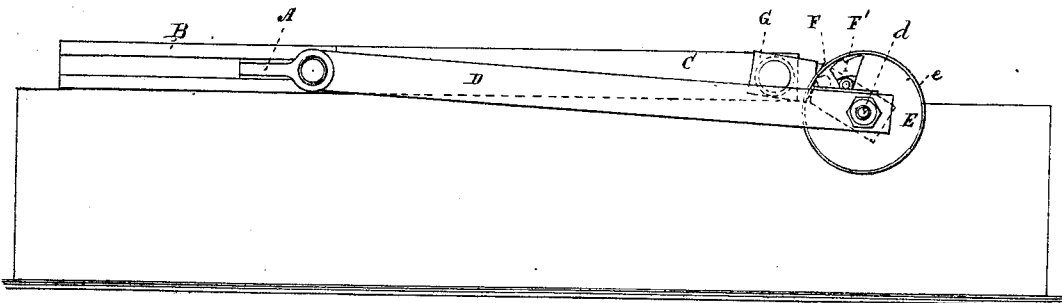
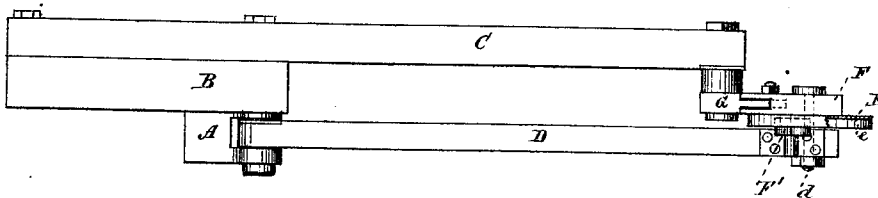


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN COY, OF OSWEGO, NEW YORK.

IMPROVEMENT IN DEVICES FOR OVERCOMING DEAD-CENTERS.

Specification forming part of Letters Patent No. 126,526, dated May 7, 1872.

Specification describing a Device for Overcoming "Dead-Centers" and preventing back motion of crank-wheels, invented by JOHN COY, of Oswego, in the county of Oswego and State of New York.

The invention will first be described in connection with all that is necessary to a full understanding thereof, and then clearly pointed out in the claim.

Figure 1 is a side elevation. Fig. 2 is a top view.

A is a sliding head; B, its guide; C, a rigid frame-piece, to which it is attached; and D, the pitman. This pitman is pivoted on a pin, *d*, which passes through a disk, E, and radial strap F. The disk E has an annular flange, *e*, on the side next the pitman, and around the periphery thereof, and against this flange falls loosely a cam, F', pivoted on the pitman. G is another strap, pivoted to rigid frame-piece C, and connected to the strap F by tongue-and-groove joint. The tongue is not fastened closely and tightly in the groove, but allowed end-play.

The mode of operation is as follows: As long as the disk E moves in the direction of the increase of the pivoted cam F the latter will present no obstruction, but the moment that a reverse movement is attempted the cam acts as a brake and locks the disk. Again, when the pitman arrives at a "dead-center" the straps F G, having end-play at their joint, fall out of line and throw said pitman out of line with the head A. This, of course, relieves the pitman instantaneously from the dead-center.

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

1. A pitman provided with pivoted cam F, in combination with disk E having flange *e*, as and for the purpose described.

2. The combination, with the pitman, of straps F G, pivoted together loosely and with end-play, as and for the purpose set forth.

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Witnesses:

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