

A. G. RYKERT.

Carriage-Painters' Jacks.

No. 135,593.

Patented Feb. 4, 1873.

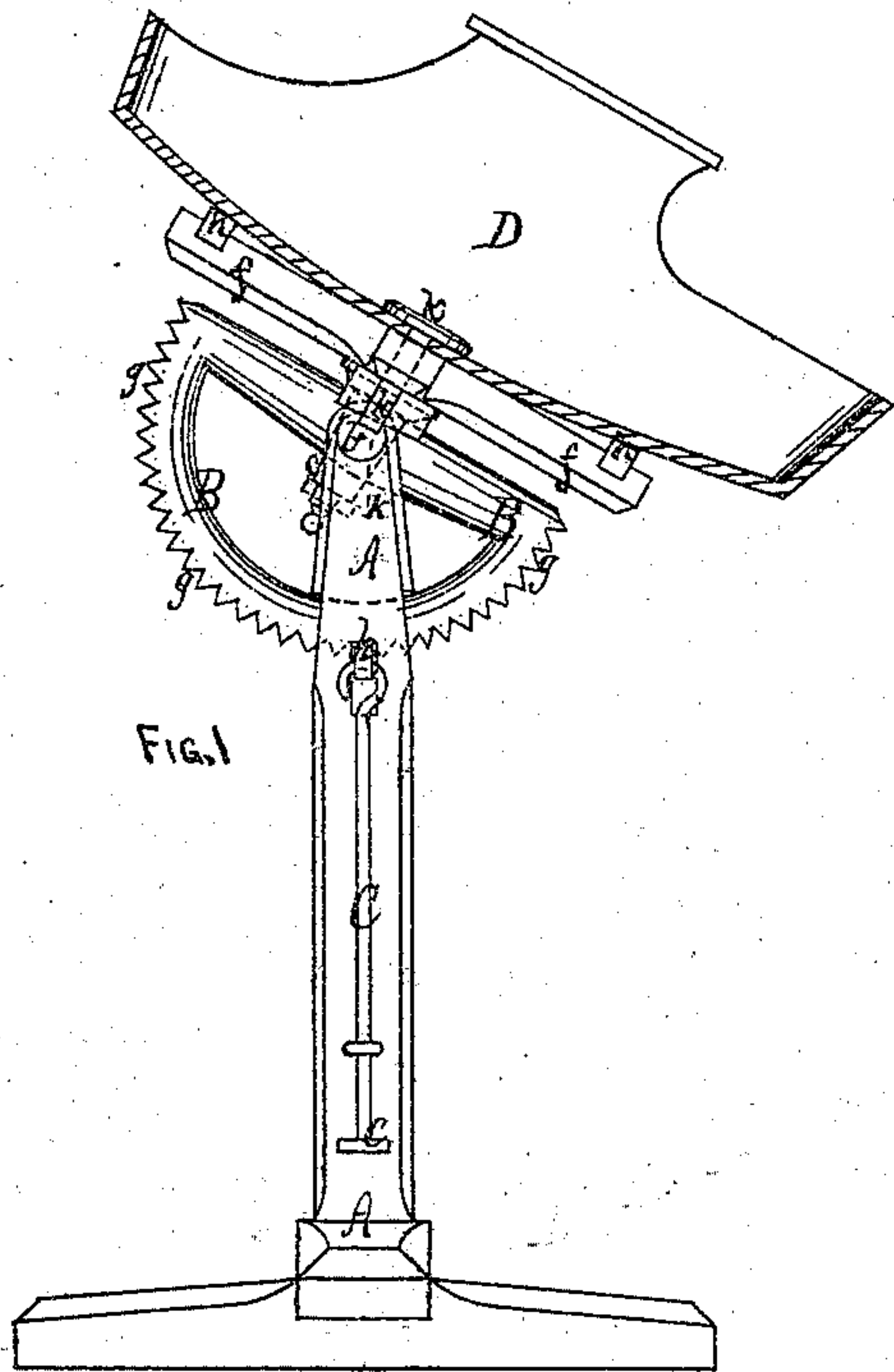


Fig. I

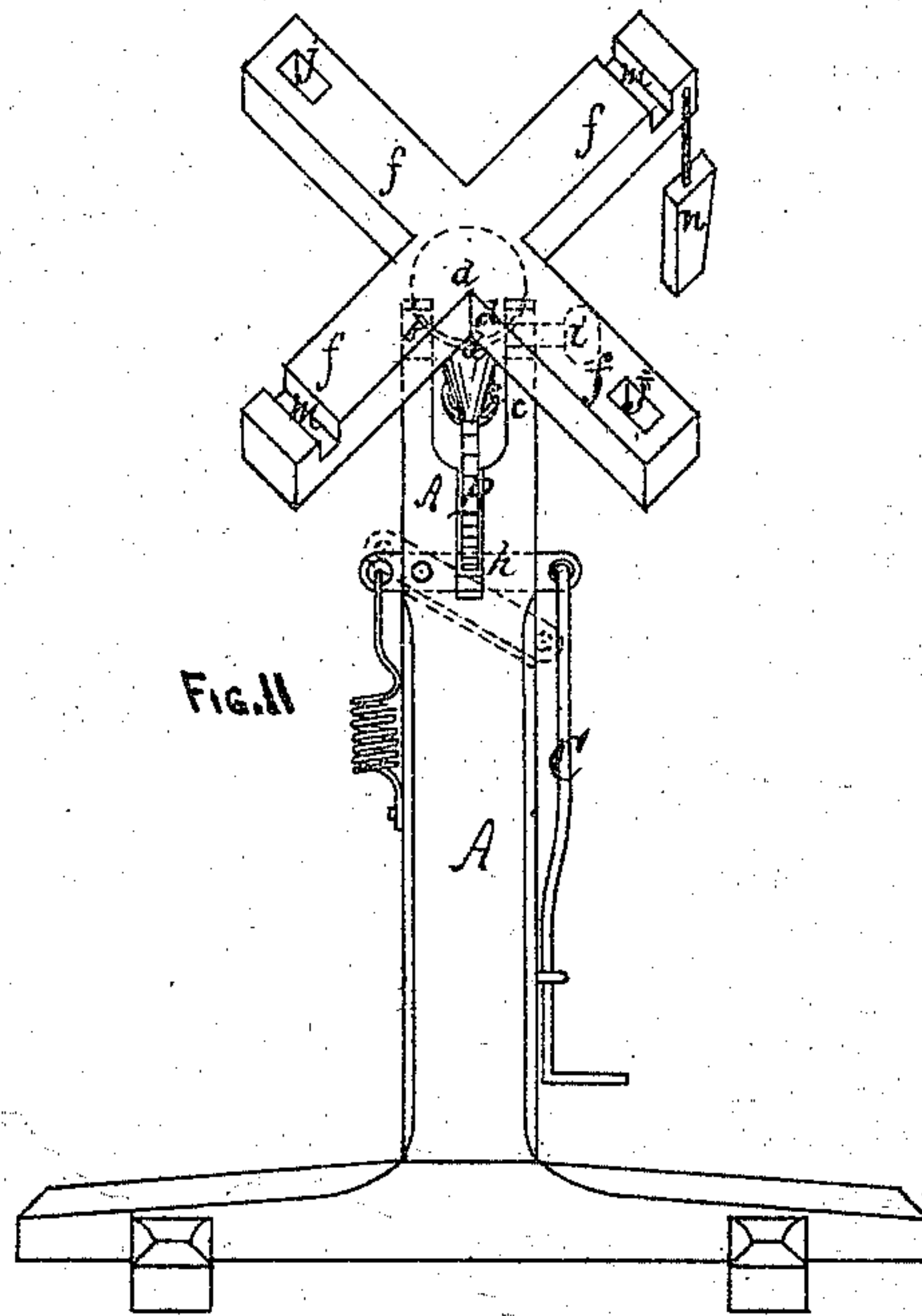


Fig. II

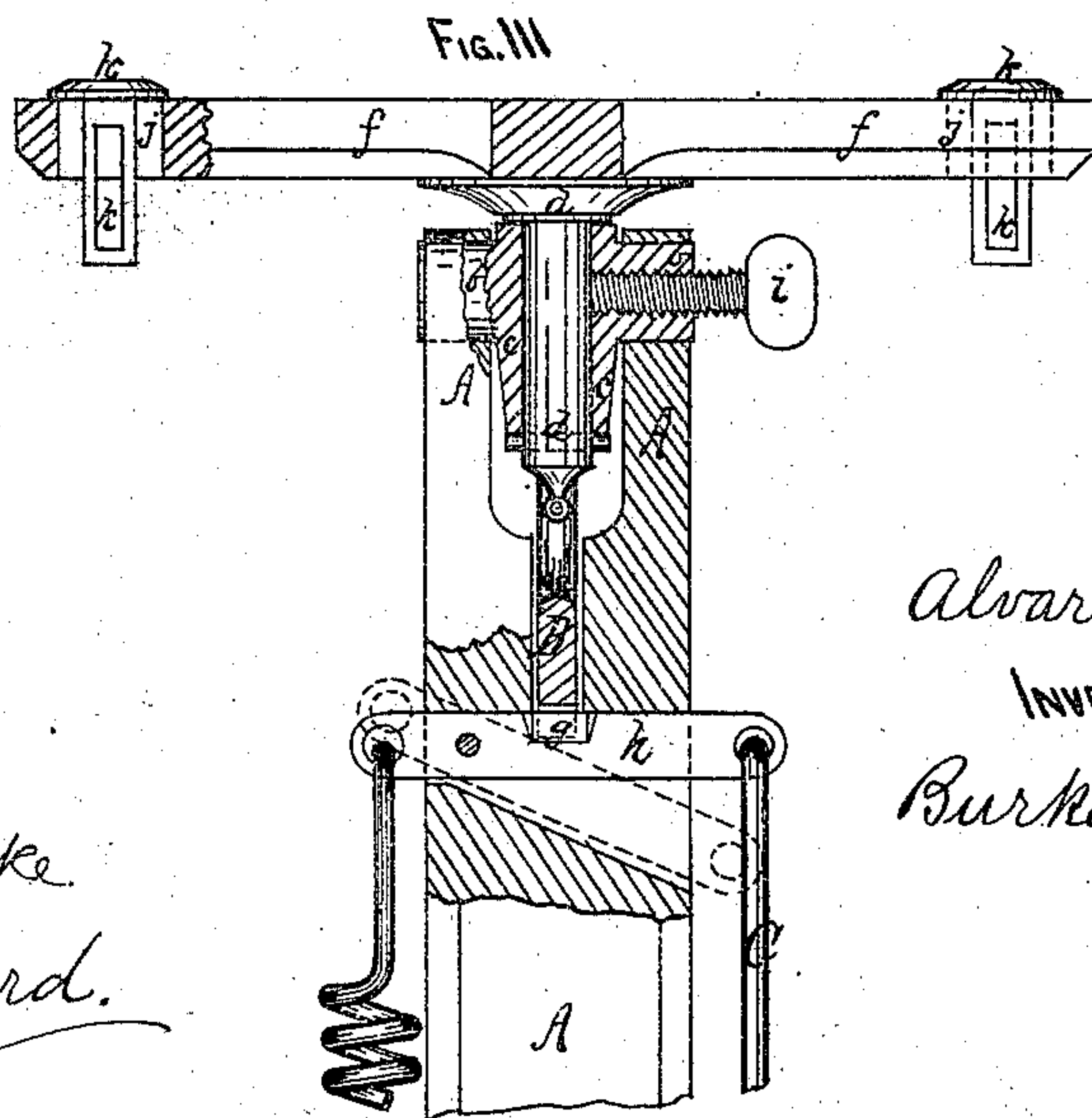


Fig. III

WITNESSES.

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## IMPROVEMENT IN CARRIAGE-PAINTERS' JACKS.

Specification forming part of Letters Patent No. 135,593, dated February 4, 1873.

*To all whom it may concern:*

Be it known that I, ALVARO GALATIA RYKERT, of Attica, in the county of Wyoming and State of New York, have invented certain new and useful Improvements in Adjustable Platform-Jacks for carriage-painters' use, of which the following is a specification:

The invention relates to devices for turning and holding wagon-bodies, buggies, &c., in any desired position or angle while being painted; and the invention consists in a standard provided with a semicircular catch-wheel or sector, in the top of which is pivoted a movable cross-armed platform, to which the carriage-body is attached. It further consists of a combination of parts to perform certain results, as hereinafter specified.

In the drawing, Figure 1 is a side elevation; Fig. 2, front elevation, the platform in perspective; Fig. 3, an enlarged sectional view.

A is the standard or supporting-post having any suitable base. The top of the standard is bifidated, and between is a sector or segmental catch-wheel, B, which swings on a journal, *b*. Formed in the top of this sector B is a socket, *c*, into which an upright pivoted disk, *d*, works, and upon which two cross arms or bars, *f f'* are secured. These arms form the frame or platform, upon which the wagon-body to be painted is secured. The periphery of the sector B is supplied with spur-teeth *g g*, which are engaged by a spring-catch, *h*, the edge beveled to fit (or nearly so) the teeth *g*. This spring-catch is operated by a long foot-lever, *C*, or its equivalent. These described devices permit the frame or platform *f f'* to be set at any depression in a line at right angles with its axis. To enable it to be set at any other angle desired the pivoted arms *f f'* are merely turned in the socket *c*. To hold them in place a set-screw, *i*, passes through one end of the journal *b*, (see Figs. 2 and 3,) and also through the socket *c* until its point strikes against the pivot *d*. The pivot is made at this part octagonal the better to hold the point of the set-screw.

By these two arrangements heretofore described, the wagon-body represented by D, Fig. 1, may be set at any angle desired, bring-

ing that part of the body to be worked on directly in front of the painter, and without danger of marring the paint by handling.

To secure carriage or wagon bodies to the cross-arms the ends of one, *f*, are provided with a vertical slot, *j*. These will come directly under the corresponding water-holes usually made in wagon-bottoms, &c. Through these holes and slots is passed a slotted clamp or key, *k*, which holds the center of the body securely to the platform. The other arm, *f'*, has at each end a longitudinal slot, *m*, into which and between the wagon-bottom is put a wedge, *n*. This will more securely hold the body on and will prevent the wagon rocking when the bottom, front, and back of the vehicle are made rounding, as is often the case.

By the use of my platform carriage-jack any shaped wagon body or box can be held in any suitable position while being painted, and it can at the same time be depressed or raised with the greatest ease, requiring merely a pressure of the painter's foot on the end of the lever *c*, or a turn of the set-screw *i*, to place the body at any desired angle.

### Claims.

1. The cross-bars *f f'*, provided with the slots *j j* and grooves *m m*, in combination with the keys *k k* and wedges *n*, said bars being swivelled upon a sector-wheel by the shaft and plate *d*, substantially as and for the purpose specified.

2. The sector-wheel B provided with the socket *c*, for the shaft and plate *d* of the platform, in combination with the spring-pivoted catch *h*, substantially as and for the purpose specified.

3. In combination with the sector-wheel B and pivoted cross-bars *f f'* the locking-pin *i*, substantially as described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

ALVARO G. RYKERT.

Witnesses:

J. R. DRAKE,

C. N. WOODWARD.