

(No Model.)

M. J. DAVID.

BILL FILE.

No. 275,602.

Patented Apr. 10, 1883.

Fig. 2.

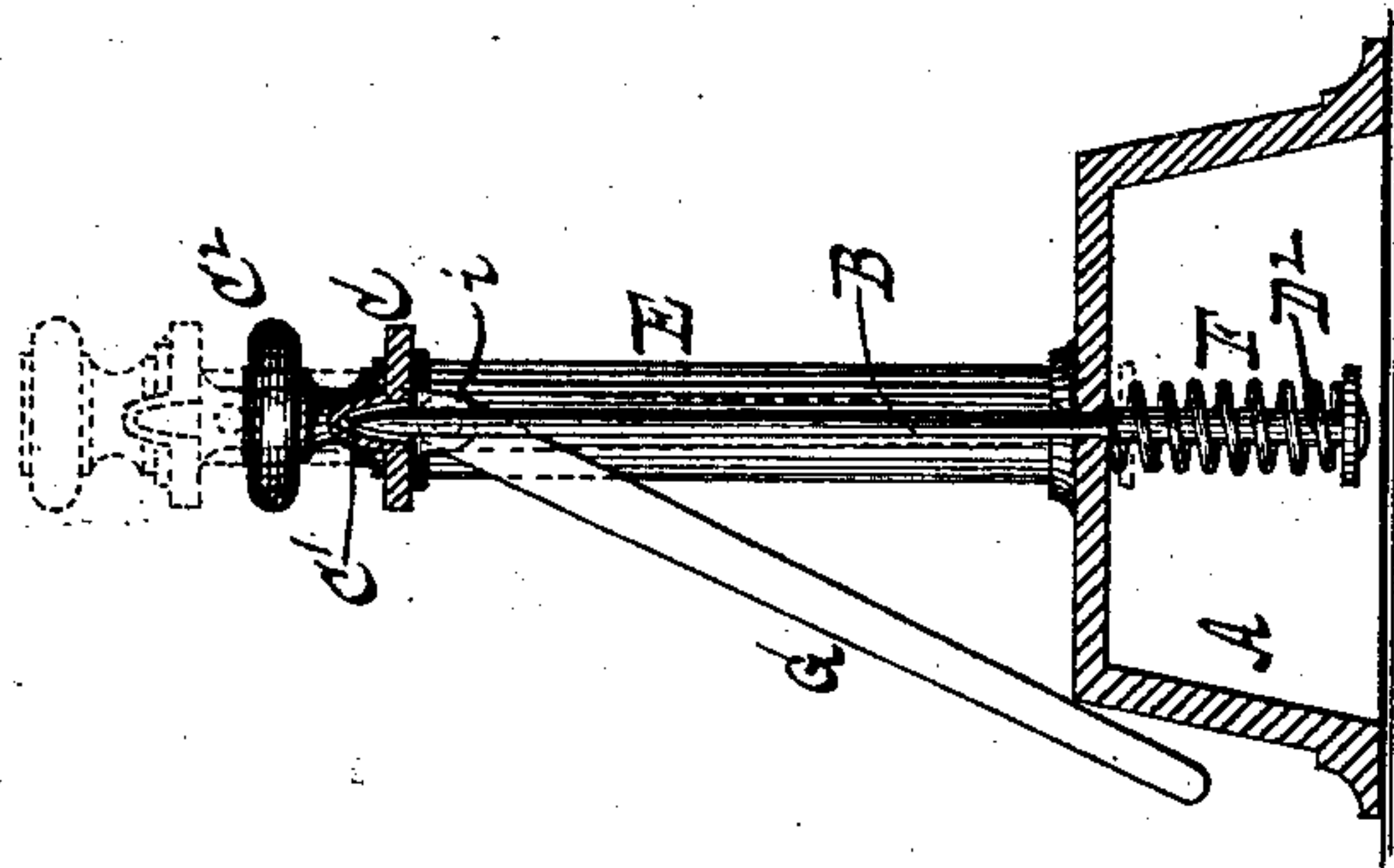
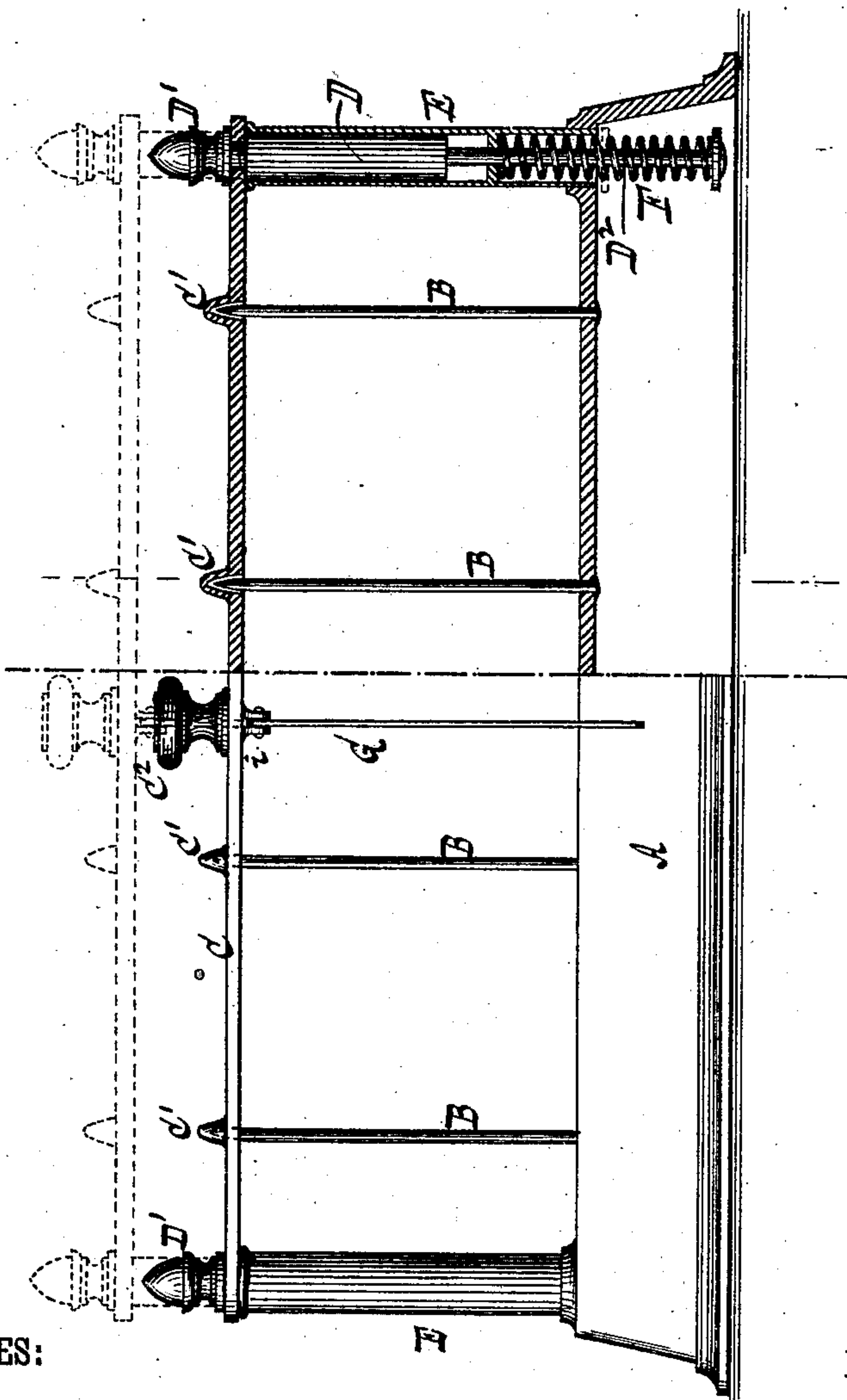


Fig. 1.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

MARCUS J. DAVID, OF ROCHESTER, NEW YORK.

## BILL-FILE.

SPECIFICATION forming part of Letters Patent No. 275,602, dated April 10, 1883.

Application filed August 30, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, MARCUS J. DAVID, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented new and useful Improvements in Bill-Files, of which the following is a specification.

This invention consists in a bill-file combining in its structure a base having a series of upwardly-projecting pins for receiving the papers to be filed, a cross-head adapted to cover and protect the points of the pins, (it being common to the series,) vertical slide-rods fixed to the cross-head, one at each end, tubular guides for the slide-rods, rising from the base, and forming also supports for the cross-head to keep it out of direct contact with the pins, and springs arranged in the tubular guides to act on the slide-rods with a tendency to force the same downward, thereby automatically bringing the cross-head to a normal position. A brace is hung to the cross-head at about the mid-length thereof, and when the head is lifted off the pins it is retained in an upper position by means of the brace, as hereinafter more fully set forth.

This invention is illustrated in the accompanying drawings, in which Figure 1 represents a part side view and part vertical section. Fig. 2 is a vertical cross-section.

Similar letters indicate corresponding parts.

The letter A designates the base; B, the pins; C, the cross-head; D, the slide-rods; E, the guides, and F the springs.

The base A is preferably made of rectangular shape, and the pins B are arranged in a row thereon, the same projecting upward from the base to equal heights.

The cross-head C is situated above the pins B, and is provided with sockets C' opposite to the pins for receiving and covering the pin-points, while at about the mid-length it has a finger-button, C<sup>2</sup>, for convenience in lifting it off the pins. The cross-head thus forms a shield common to the series of pins, and when it is lifted a sufficient distance the pins are severally exposed at the points, so that the papers to be filed can be put in the proper places.

The slide-rods D are fixed to the cross-head, one at each end, by nuts D' or other suitable

means, and they extend downward from the head in vertical planes.

The guides E consist of tubes, into which the slide-rods D are fitted, and which rise from the base A, they being secured to the latter in a suitable manner. These tubes are made of equal height, which is such that the cross-head C rests on their upper ends under normal conditions, and by this means the cross-head is brought to such a position that its sockets C' cover the points of the pins without touching them, so that the points are not liable to be affected thereby. The springs F are arranged in the tubular guides E, thus being concealed from view, and they act on the slide-rods D in such a manner as to force the rods, and with them the cross-head C, in a downward direction, so that the cross-head is automatically brought to a normal position by that means. Spindles D<sup>2</sup>, projecting from the slide-rods, serve to receive the springs. Instead of springs, weights may be applied.

The letter G indicates the brace, serving to retain the cross-head in an upper position when it is lifted off the pins. This brace is hung to the cross-head by a pivot, i, at about the mid-length of the head, and it is made of such a length that when the cross-head is in a lower or normal position the brace simply rests against one of the side edges of the base in an inclined position, while when the cross-head is raised the lower or free end of the brace rides up on the top of the base until the brace assumes a vertical position, in which it is held by the pressure of the head due to the action of the springs. By the arrangement of the brace G at the middle of the cross-head, it serves to support the head in an effective manner and without danger of twisting or contorting the parts.

The number of the pins B can be varied as circumstances may render expedient, and by the employment of a series of pins the file is rendered highly useful to cashiers and others for preserving in the proper order slips or papers of different kinds—such as, for example, "debit," "credit," "store  $\frac{a}{c}$ ," and "memoranda" slips.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, substantially as here-



inbefore described, of the base A, having the series of upwardly-projecting pins, the cross-head C, for protecting the points of the pins, the slide-rods D, fixed to the cross-head, tubular guides E for the slide-rods, forming also supports for the cross-head, and the springs or weights arranged in the tubular guides to act on the slide-rods, for the purpose specified.

2. The combination, substantially as hereinbefore described, of the brace with the cross-head C, having the brace hung thereto at about

its mid-length, the slide-rods D, guides E, springs or weights F, and the base A, having the upwardly-projecting pins, for the purpose specified.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

MARCUS J. DAVID. [L. S.]

Witnesses:

A. W. COLE,

G. A. BRAYER.