

(No Model.)

T. A. WRIGHT & S. MARSDEN.

KEY BOARD ATTACHMENT FOR PIANOS.

No. 356,236.

Patented Jan. 18, 1887.

FIG. 1.

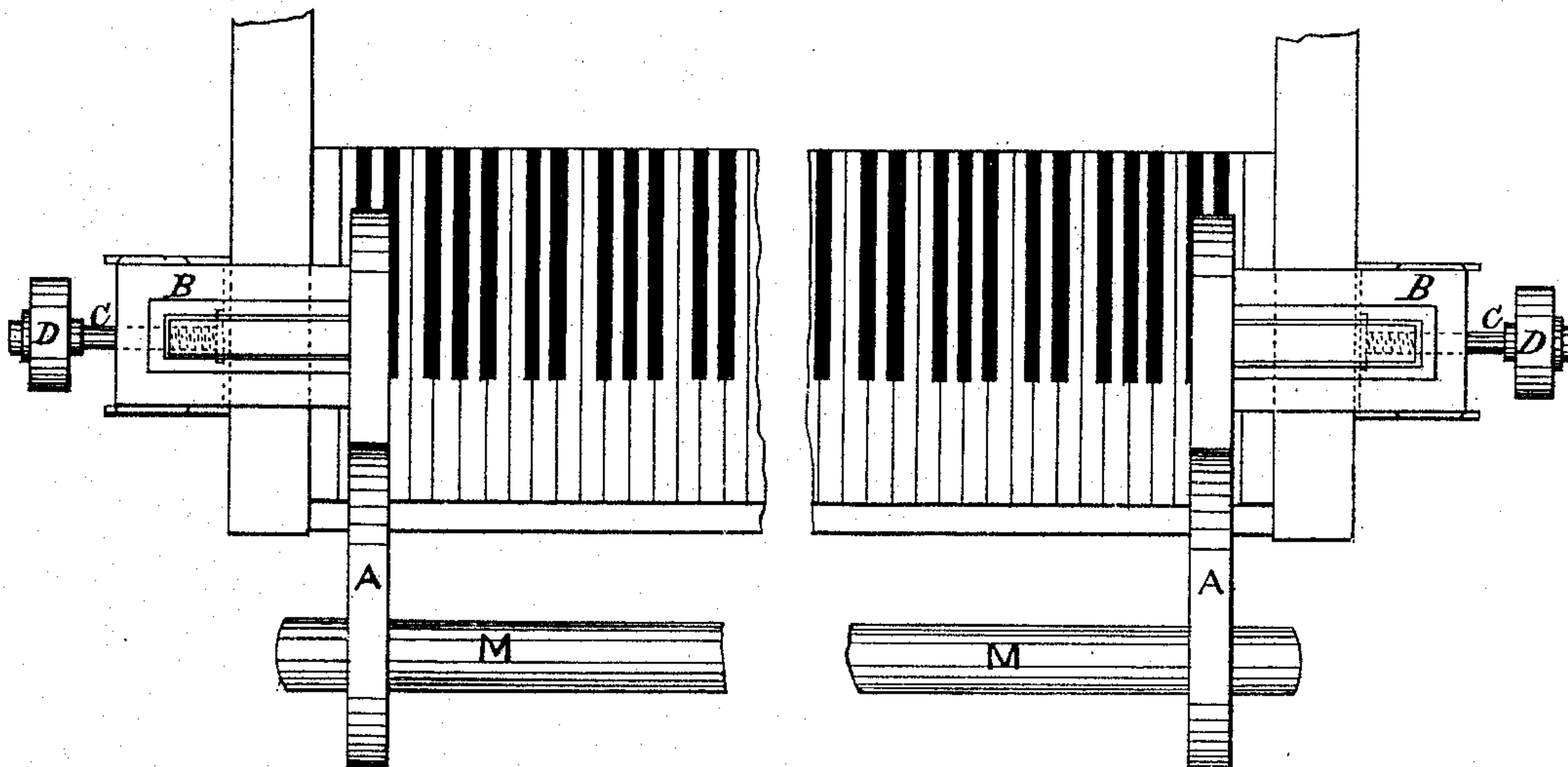


FIG. 3.

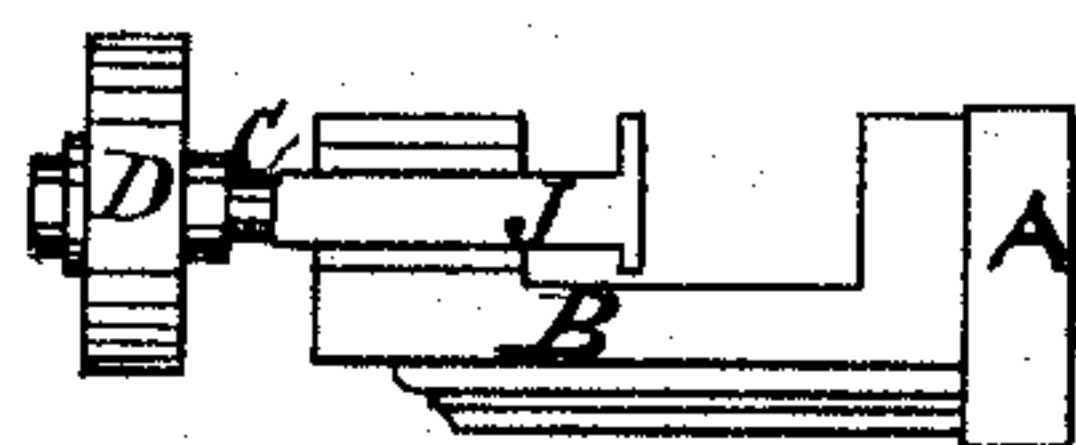


FIG. 2.

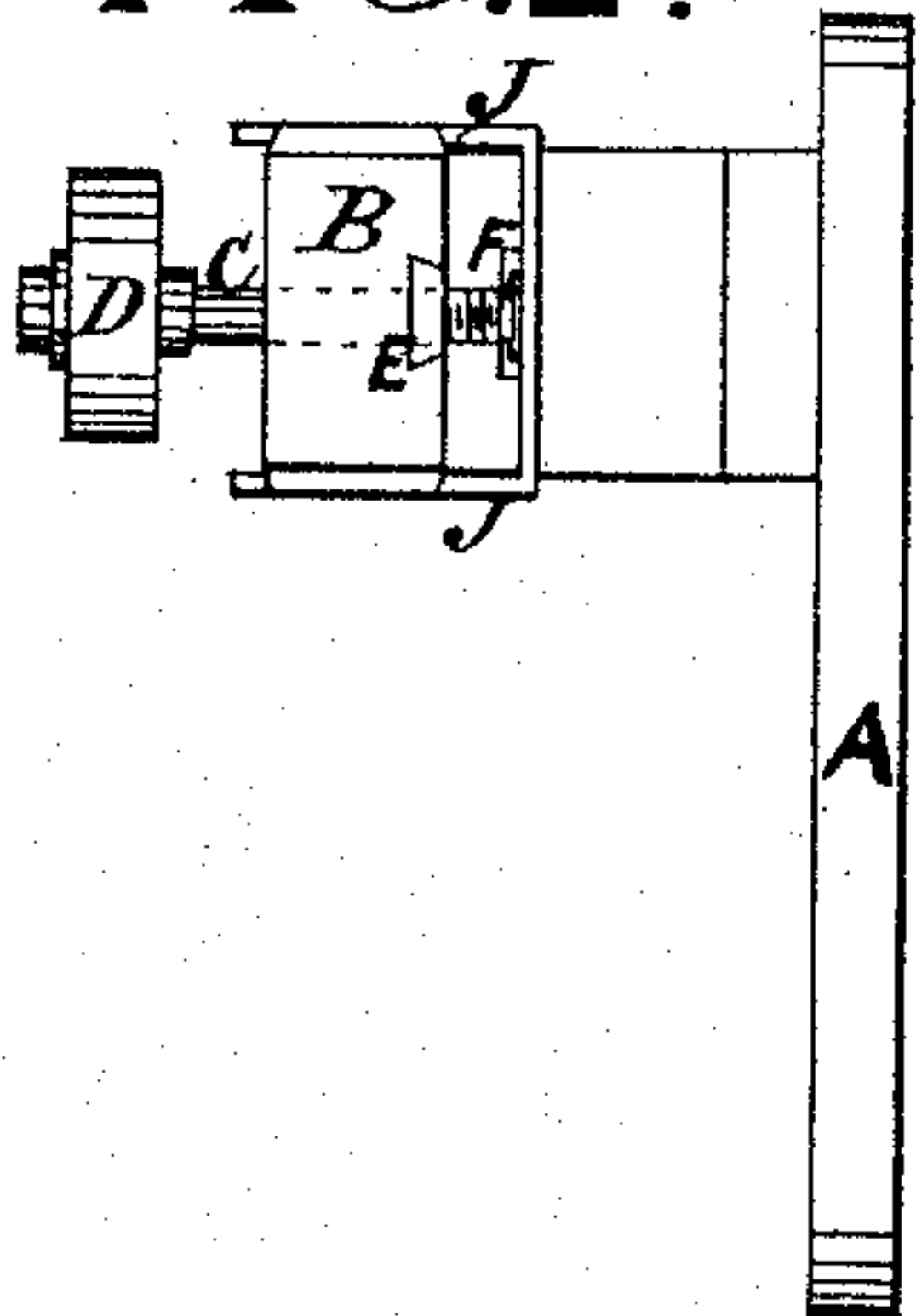


FIG. 5.

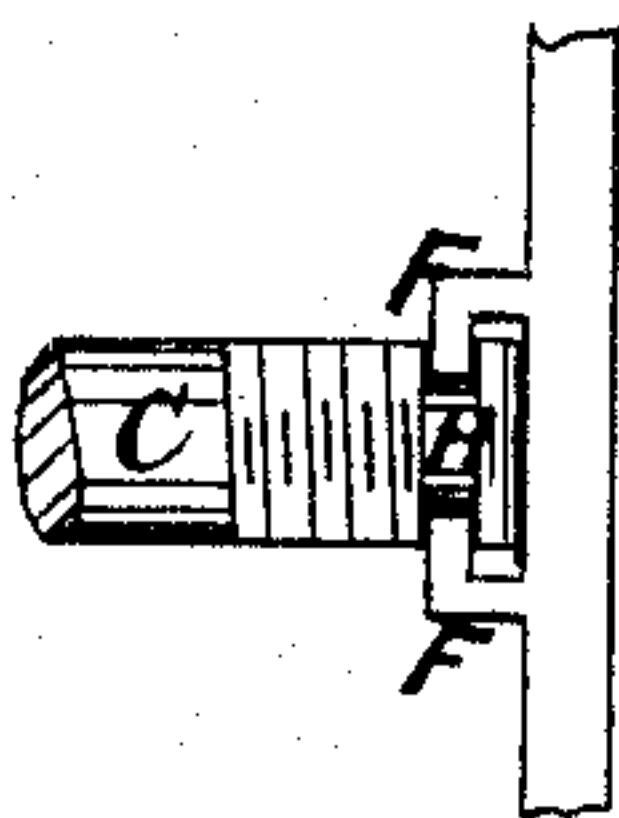
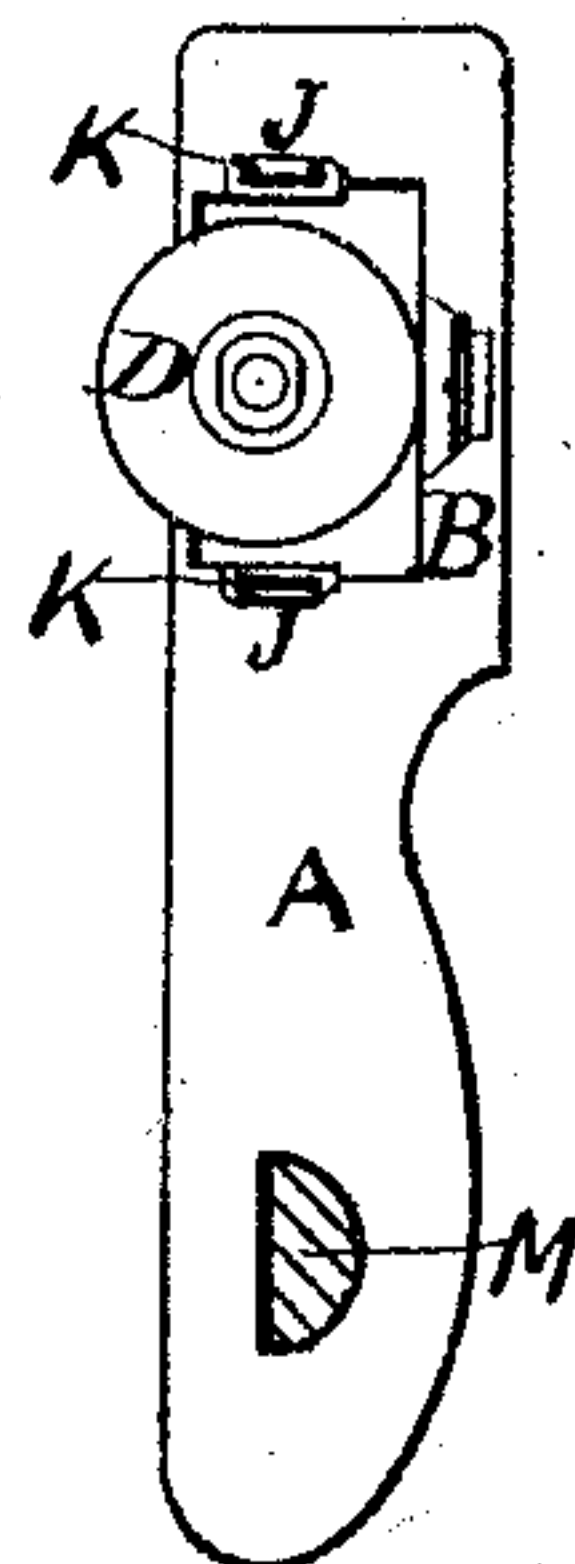


FIG. 4.



Witnesses.
John E. Walsh Patent Agent
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UNITED STATES PATENT OFFICE.

TOM ARTHUR WRIGHT AND SAMUEL MARSDEN, OF LEEDS, COUNTY OF YORK, ENGLAND.

KEY-BOARD ATTACHMENT FOR PIANOS.

SPECIFICATION forming part of Letters Patent No. 356,236, dated January 18, 1887.

Application filed May 13, 1886. Serial No. 202,068. (No model.) Patented in England November 4, 1885, No. 13,322.

To all whom it may concern:

Be it known that we, TOM ARTHUR WRIGHT and SAMUEL MARSDEN, subjects of the Queen of Great Britain, residing at Leeds, in the county of York, England, have invented new and useful Improvements in Apparatus for Facilitating the Proper Fingering of Piano-Fortes and other Keyed Instruments, (for which we obtained patent in Great Britain, No. 13,322, November 4, 1885,) of which the following is a specification.

The object of our invention is to construct a simple and effective apparatus with which to enable persons who have contracted a bad style to improve their style of playing, and to enable learners or beginners to play from the outset in the most proper manner. We attach our apparatus to the arms or sides (as the case may be) of a piano-forte or other instrument as shown by the drawings, in which—

Figure 1 is a plan of key-board of instrument with our improvement attached. Fig. 2 is a plan of under side of our attachment; Fig. 3, a front elevation of Fig. 2. Fig. 4 is an end elevation of Fig. 2. Fig. 5 is an enlarged view of screw.

A A are the two arms, one for each end of the piano-forte or other instrument. These arms are secured to the arms or sides of the piano-forte or other instrument by means of an adjustable grip, B, which is adjustable by means of a turn-screw, C, to which is attached the hand-wheel D. The screw passes through a nut, E, and is secured to the grip preferably by a piece of metal, F, which fits upon the neck H at the end of the screw. On the screw C are supported clamps J, sliding in recesses or grooves K on the grips B. The grips and sides of the arms coming in contact with the piano are covered with cloth or other soft material to prevent scratching; also, the recesses in the arms into which the ends of the rod fit

are lined with cloth or other soft material. The grip, when adjusted, comes in contact with and grips the arm or side of the piano-forte or other instrument. This grip can be adjusted to suit the varying thickness of the arms or sides of piano-fortes or other instruments.

To the arms of our apparatus we attach the rod or bar M, or other suitable article, preferably of the section shown at Fig. 4, (which traverses the length of the key-board, and varies in length according to the varying sizes of the key-board.) On this rod or bar the wrist of the player rests and glides along the same as the player's fingers move up and down the key-board. The rod or bar keeps the hand in a proper position and acts as a support to the wrist while learning to play, the player having preferably soft cuffs upon his wrists. The angle or distance from the key-board can be altered or adjusted to suit the players, it being easily and readily altered by means of the screws and grips.

Our apparatus may be made of wood, metal, or other suitable material.

We would have it understood that we do not claim the slide or rest; but

What we claim as the invention, and desire to secure by Letters Patent, is—

The combination of the arms A A, connected by rod or bar M, the grips B B, having grooves or recesses K, the sliding clamps J J, nuts F F, screws C C, and hand wheels D D, substantially as and for the purpose described.

In testimony whereof we affix our signatures in presence of two witnesses.

TOM ARTHUR WRIGHT.
SAMUEL MARSDEN.

Witnesses:

JOHN E. WALSH,
Patent Agent, Halifax.
HERBERT DUNNE.