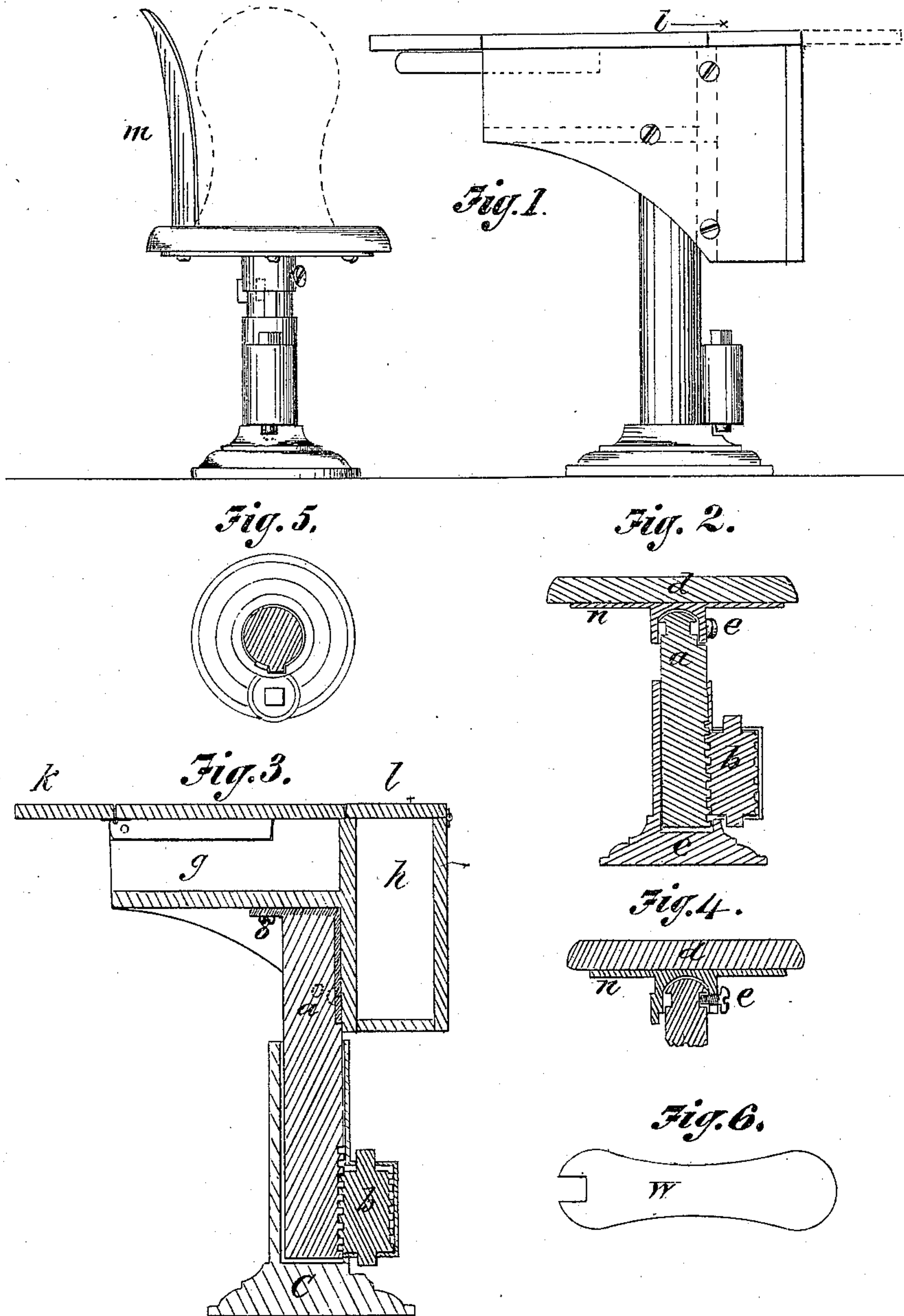


J. M. JOHNSON.
SCHOOL FURNITURE.

No. 104,161.

Patented June 14, 1870.



Witnesses
George Perkins
Ludwig List

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JOSEPH MCGINNIS JOHNSON, OF CHILLICOTHE, OHIO.

Letters Patent No. 104,161, dated June 14, 1870.

IMPROVED SCHOOL-FURNITURE.

The Schedule referred to in these Letters Patent and making part of the same.

I, JOSEPH MCGINNIS JOHNSON, of Chillicothe, Ross county, State of Ohio, have invented certain Improvements in School Furniture, of which the following is a specification.

Nature and Objects of the Invention.

My invention relates to a device for elevating and lowering the desks or seats of school-furniture noiselessly, and, at the same time keeping the desk or seat firmly in position and free from vibration or lateral motion.

Description of the Accompanying Drawing.

Figure 1 is a side elevation of the desk and chair embodying my invention.

Figure 2 is a vertical section of the chair, showing the shaft or standard *a*, pedestal *c*, screw *b*, and seat *d*.

Figure 3 is a vertical section of the desk, showing the horizontal book-box *g* and vertical book-box *h* and extension-leaf *k*; also similar elevating devices, as represented in fig. 2.

Figure 4 is a section of top of the chair, showing the stop-screw *e*, to allow the seat to turn one-fourth of a circle.

Figure 5 is a top section of pedestal, standard, and screw.

Figure 6 represents the wrench used to operate the screw *b*.

General Description.

The base of pedestal *c* is intended to be secured firmly to the floor in the usual way.

On the side of the pedestal is attached the screw *b*, which works in the rack on the side of sliding standard *a*.

A suitable groove is provided inside of the pedestal for the rack to slide in vertically, and prevent its rotation.

By revolving the screw *b*, the desk or chair is elevated or lowered at pleasure, to suit the height and convenience of the pupil.

A groove is provided near the top of standard *a*, in which screw *e* fits. This groove permits the seat to turn one-fourth of a circle, so as to bring the back of seat at right angle to the front of the desk, as shown by dotted lines, to assist the pupil, when writing, by bringing his side to the desk, and to allow him to rise from the desk with ease and comfort.

The desk is provided with a leaf in front at *k*, which, when not in use, may be let down to close the book-box *g* from dust, and allow the pupil to stand erect between the desk and chair.

The vertical book-box *h* has a lid or cover, *l*, and is intended for slates, atlases, maps, music, &c., and, in conjunction with the horizontal box *g*, supports the top of the desk.

This desk, when at proper height, cannot in any way interfere with ingress and egress. The top surface being even and unobstructed, gives plenty of room for recitation, and is readily reduced to economize room.

It will seat one-fourth more pupils in the same sized room than the ordinary desk, and its convenience conduces to better order.

The chair permits the pupil to sit erect while writing, supported by the back, which turns with the body one-quarter of a circle. It also gives ready and easy exit from the desk.

Claim.

I claim as my invention—

Supporting school-desks and seats, so that their height may be easily adjusted by means of the standard *a*, provided with a rack, and the vertical elevating screw *b*, supported in the base or pedestal *c*, substantially in the manner as herein specified.

JOSEPH MCGINNIS JOHNSON.

Witnesses:

GEORGE PERKINS,
LUDWIG LIST.