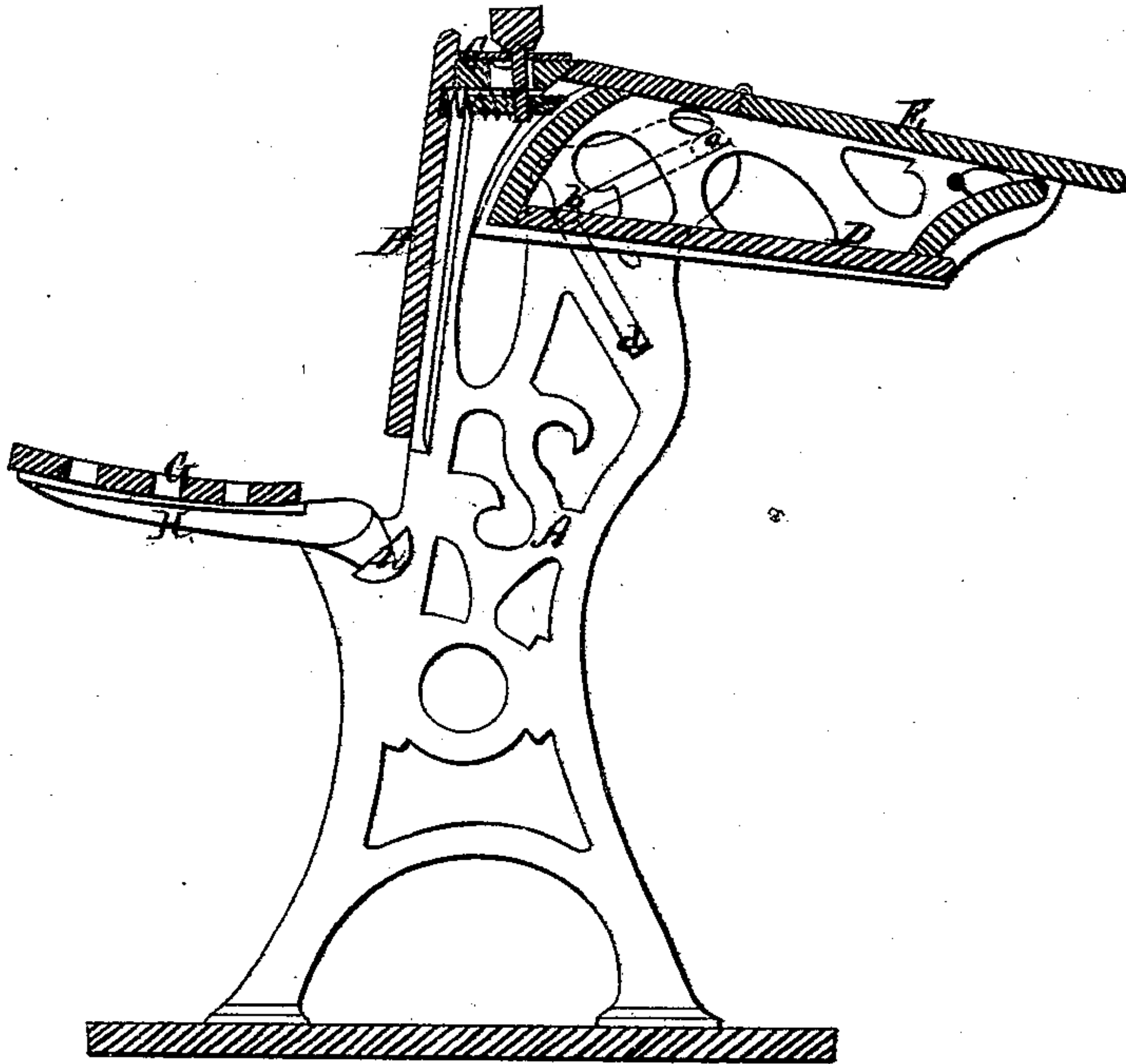


C. H. Roberts,
School Desk.
No. 102,713. *Patented May 3, 1870.*



Witnesses
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United States Patent Office.

CHARLES HAMILTON ROBERTS, OF GENEVA, OHIO.

Letters Patent No. 102,713, dated May 3, 1870.

IMPROVED SCHOOL-DESK.

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

To all whom it may concern :

Be it known that I, CHARLES HAMILTON ROBERTS, of Geneva, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in School Furniture; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and general arrangement of a school-desk, such as will be hereinafter set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which represent a transverse vertical section of my school-desk.

A represents the sides or frame of my desk, which are cast in any suitable manner, and secured to the floor.

The back B connects the sides or ends A A, being secured to them by screws or other convenient means.

At the top of the desk is a stationary strip, C, provided with recess and grooves for inkstands and pens.

The book-case D is provided with a hinged lid, E, which forms the top of the desk; and in the sides of the book-case are two pins in each, which are inserted into two recesses, *a* and *b*, on the inner side of each end or side A.

The pins rest in said recesses, so as to hold the book-case, with its lid, in the proper position to form, with the stationary strip C, the entire top of the desk.

From the recess *a* to the recess *b* is an inclined groove, the recess *a* being situated a little higher up

than the one *b*; and from the recess *b*, another groove leads, at nearly right angles, down to a point, *d*.

By lifting up the outer end of the book-case, the pin in the recess *b* is allowed to slide down the groove to *d*, and the pin in the recess *a* will move to the recess *b*, holding the book-case in a perpendicular, or nearly perpendicular, position.

When the book-case is turned down, a spring latch, *e*, placed in or under the stationary strip C, locks it, and prevents it from being turned up without first withdrawing the latch *e*. This latch may be used with any folding desk-lid.

The seat G is supported upon two bars or arms, H, pivoted one on the inside of each side piece A.

The inner ends of these arms are cam-shaped, and, when the seat is turned down, bear against lugs *h*, cast on the side A, so as to hold the seat in proper position.

Having thus fully described my invention,

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

1. A folding desk-lid, provided on each side with a pin or pins, in combination with standards A A, furnished with grooves *a b* and *b d*, arranged as herein shown and described.

2. A school-desk, consisting of standards A A, desk D E, spring latch *e*, folding seat G H with lugs *h h*, all constructed and arranged to operate as described.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

CHAS. H. ROBERTS.

Witnesses:

L. J. COOKE,

J. I. PINNEY.