

A. B. COGSWELL.
FOLDING-SEAT.

No. 187,817.

Patented Feb. 27, 1877.

Fig. 2.

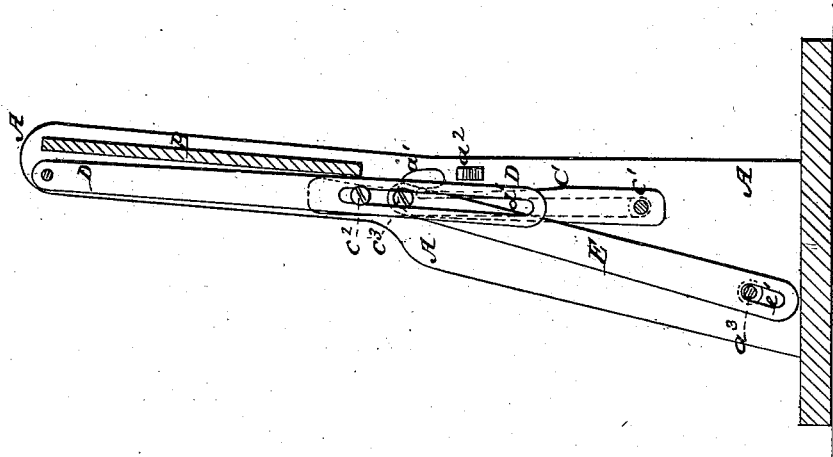
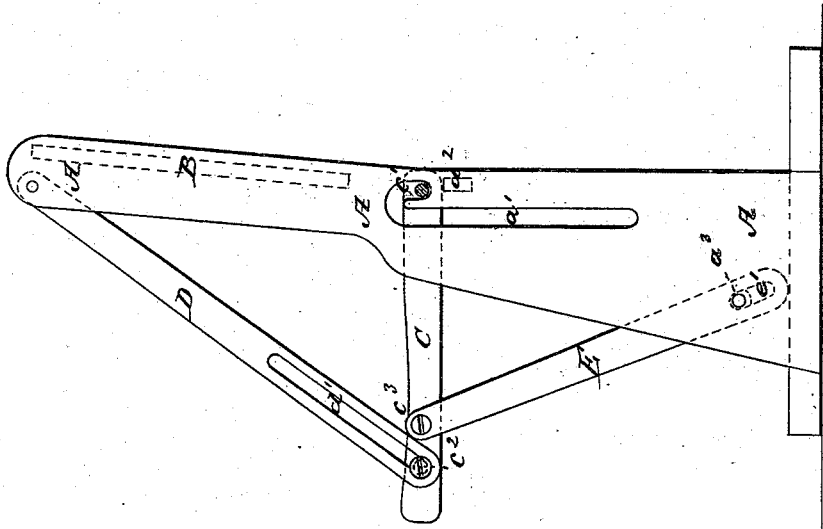


Fig. 1.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ARTHUR B. COGSWELL, OF BURLINGTON, VERMONT.

IMPROVEMENT IN FOLDING SEATS.

Specification forming part of Letters Patent No. 187,817, dated February 27, 1877; application filed December 30, 1876.

To all whom it may concern:

Be it known that I, ARTHUR BIRNEY COGSWELL, of Burlington, in the county of Chittenden and State of Vermont, have invented a new and useful Improvement in Folding Seat or Settee, of which the following is a specification:

Figure 1 is a side view of my improved folding seat extended for use. Fig. 2 is a vertical cross-section of the same shown as folded.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish improved folding seats or settees for school-rooms and other public places, which shall be so constructed that they may be folded so compactly that they will occupy no more space than the breadth of the side frames or standards, and which shall be simple in construction and convenient in use.

The invention consists in the pins attached to the rear parts of the ends of the seat, and the slots formed in the standards, and having their upper ends curved into the form of an inverted U, in connection with the said seat and standards, and in the combination of the upper bars, having long longitudinal slots in their lower ends, and the lower bars having short longitudinal slots in their lower ends, with the seat and the standards, as hereinafter fully described.

A are the side frames or standards, which are made narrow, so as to occupy but little space, and the upper parts of which are connected by the back B. C is the seat, to the rear parts of the end edges of which are attached pins c^1 , which pass through and work in the slots a^1 , formed in the standards A. The main parts of the slots a^1 are vertical, and their upper parts are curved to the rearward into the form of an inverted U, to form resting-places for the pins a^1 to support the seat when extended for use. The rear parts of the ends of the seat C are further supported by projections a^2 , formed upon or attached to the inner sides of the standards A. To the forward parts of the end edges of the seat C are attached pins c^2 , which work in longitudinal slots d' in the upper bars D. The upper ends of the bars D are pivoted to the inner sides of the upper ends of the standards A.

To the end edges of the seat C, a little in the rear of the pins c^2 , are attached pins c^3 , to which are pivoted the upper ends of the bars E. The lower ends of the bars E have short slots e' formed in them to receive the pins a^3 , by which they are pivoted to the lower parts of the standards A.

The pins c^1 c^2 c^3 may be formed upon metallic plates or castings attached to the ends of the seat C, and this construction I prefer, as it makes the seat more substantial and durable.

When the seat is extended for use, as shown in Fig. 1, the rear edge of the seat C is raised and drawn forward, bringing the pins c^1 into the long arm of the slot a^1 , the slots e' in the lower ends of the bars E enabling this to be done. As the pins c^1 enter the long arms of the slots a^1 the seat C drops, by its own weight, into the position shown in Fig. 2, the pins c^2 moving up the slot d' of the bars D, and the seat is folded entirely between the two standards A.

To arrange the seat for use, the seat C is drawn upward and forward, and its rear edge is raised and pushed to the rearward, carrying the pins c^1 over the curve or arch of the slots a^1 , to rest in the ends of the short arms of said slots.

In the case of school-seats, desks may be attached to the back B of each forward seat, for the use of the pupils sitting upon the next rear seat.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of the pins c^1 , attached to the rear parts of the ends of the seat C, and the standards A, provided with slots a^1 , having their upper ends curved into the form of an inverted U, substantially as herein shown and described.

2. The combination of the bars D, having long longitudinal slots in their lower parts, and the bars E, having short longitudinal slots e' in their lower ends, with the seat C and the standards A, substantially as herein shown and described.

ARTHUR BIRNEY COGSWELL.

Witnesses:

EDWARD WELLS,
FRED. H. WELLS.