

C. A. TOWSLEY.
Invalid Bed-Bottoms.

No. 136,562.

Patented March 4, 1873.

Fig. 1.

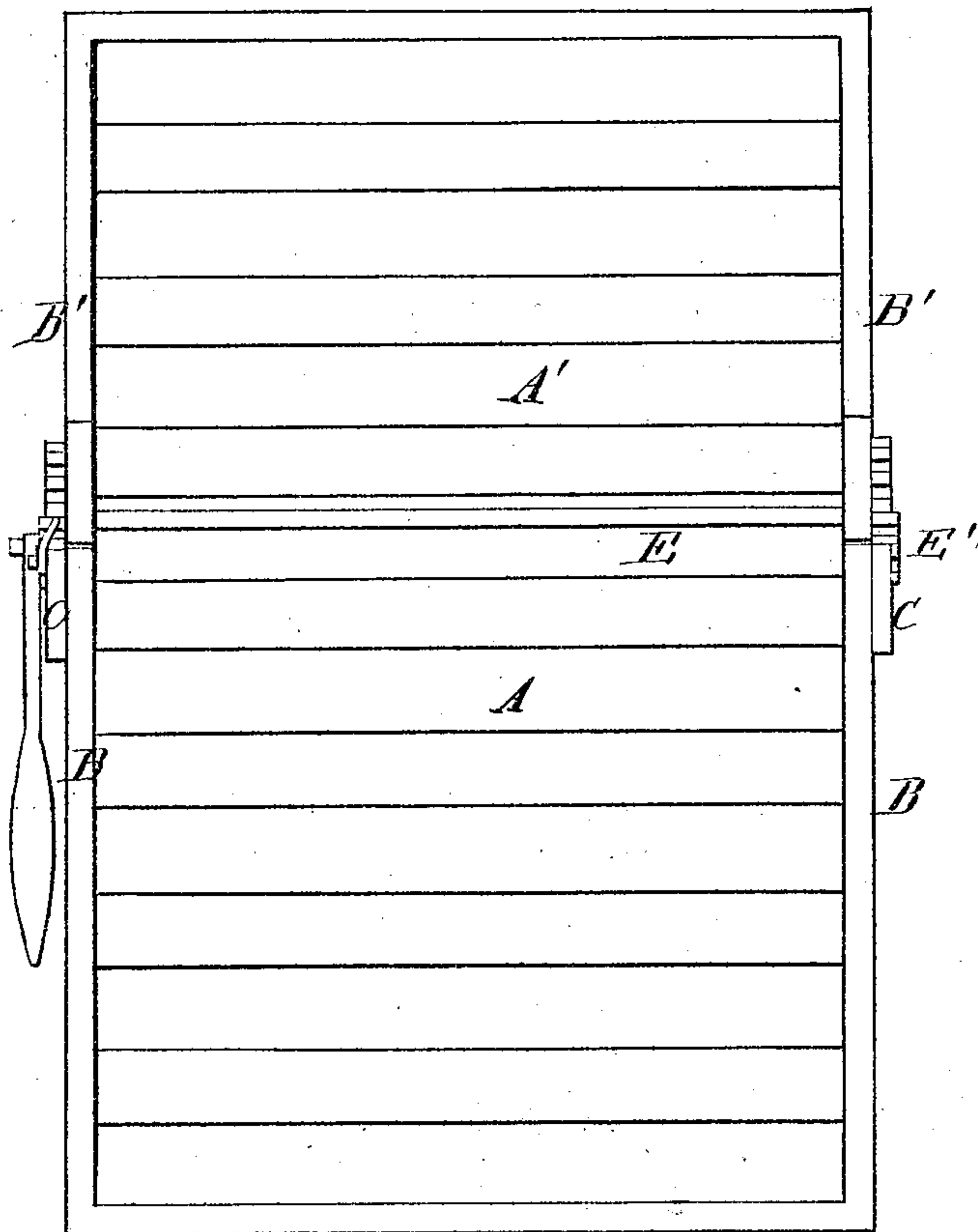
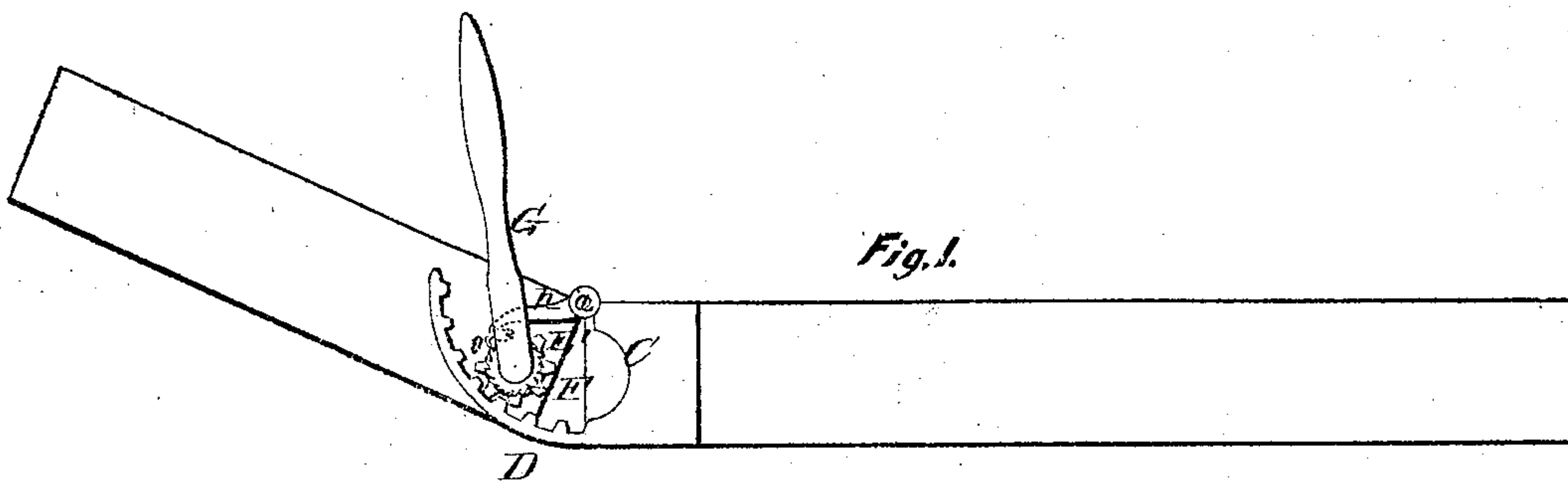


Fig. 1.



WITNESSES.

C. B. Steele

George E. Upham,

INVENTOR.

C. A. Towsley,
Chipman Hosmer & Co.,
Attys.

UNITED STATES PATENT OFFICE.

CHARLIE A. TOWSLEY, OF BATTLE CREEK, MICHIGAN.

IMPROVEMENT IN INVALID-BED BOTTOMS.

Specification forming part of Letters Patent No. 136,562, dated March 4, 1873.

To all whom it may concern:

Be it known that I, CHARLIE A. TOWSLEY, of Battle Creek, in the county of Calhoun and State of Michigan, have invented a new and valuable Improvement in Bed-Bottoms; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a plan view of my invention. Fig. 2 is a side view of the same.

This invention has relation to invalid-bed bottoms; and it consists in the construction and novel arrangement of devices for raising and holding at an inclination a portion of the bed-bottom for the ease and convenience of the occupant, substantially as hereinafter more fully described.

Referring to the drawing, A A' designate a bed-bottom divided into two equal or unequal sections transversely, which are hinged together at the adjacent ends of the raised side boards B B', the hinge-pins *a* being arranged at the upper edges of said side boards, as shown. C designates hinge-plates secured to hinged ends of the section A, which, in the accompanying drawing, is represented as the larger, the other being the head of the bed. From the lower parts of said hinge-plates project the

segmental upwardly-curving toothed racks D. E represents a transverse shaft passing through both sides of the head section A' close to the hinged ends, and holding on each end a pinion, E', working in the adjacent segmental rack. One end of said shaft holds also a ratchet-wheel, F, and a lever, G, holding a pivoted dog or pawl, *g*, to engage with said ratchet. By turning said lever toward the section A' the dog is made to engage with and turn the ratchet, and with it the shaft and pinions, which latter acting on the racks cause the section A' to be elevated to any desired height. To the pivot of one of the hinges is attached a pawl, *h*, which engages with one of the pinions, and, by preventing the latter from turning back when the section A' is raised, serves to hold said section up.

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

The hinged bed-bottom having the plate C provided with the curved toothed rack D, and shaft E having at one end the pinion E' and lever G, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLIE A. TOWSLEY.

Witnesses:

M. B. RUSSELL,
ERASTUS CLARK.