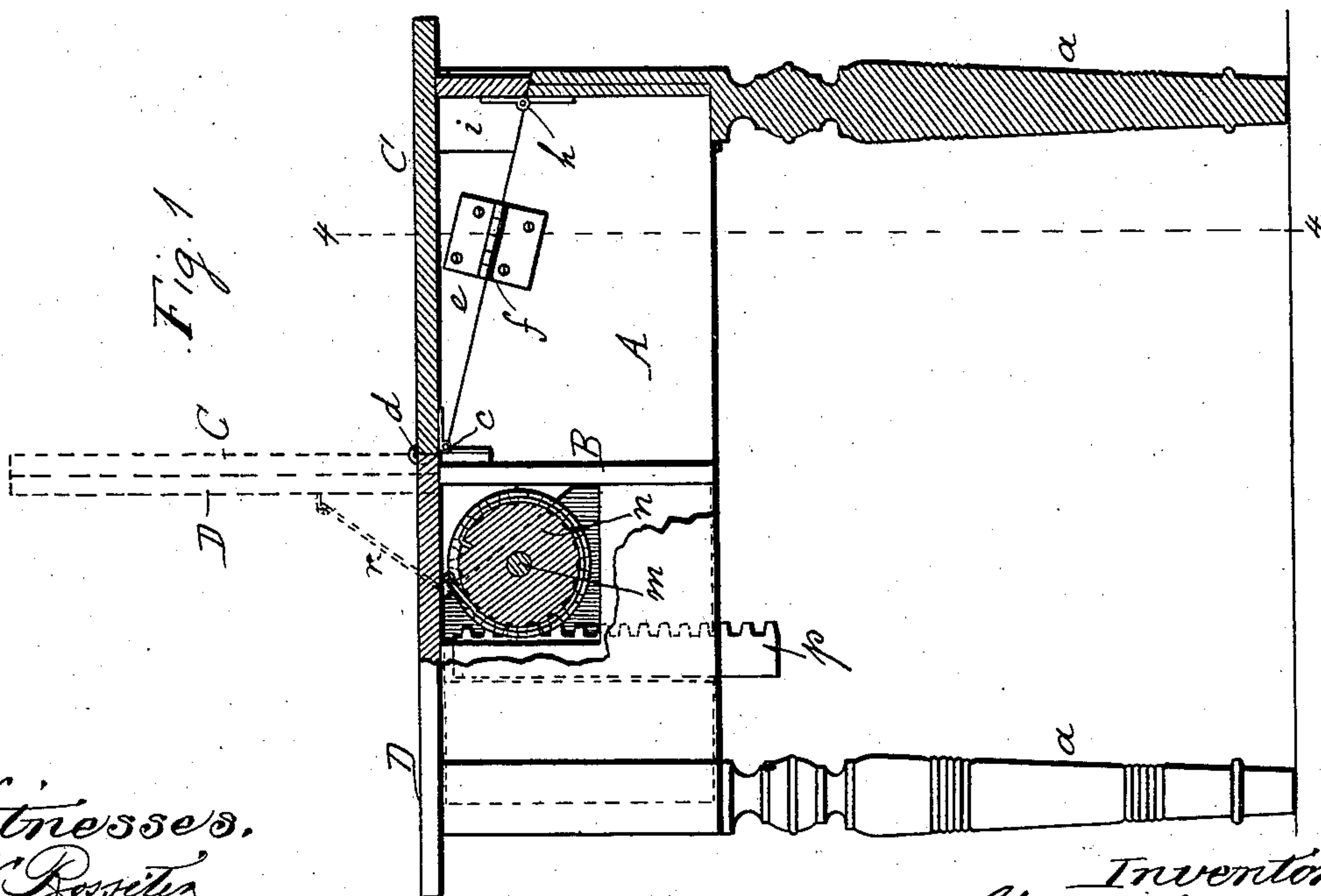
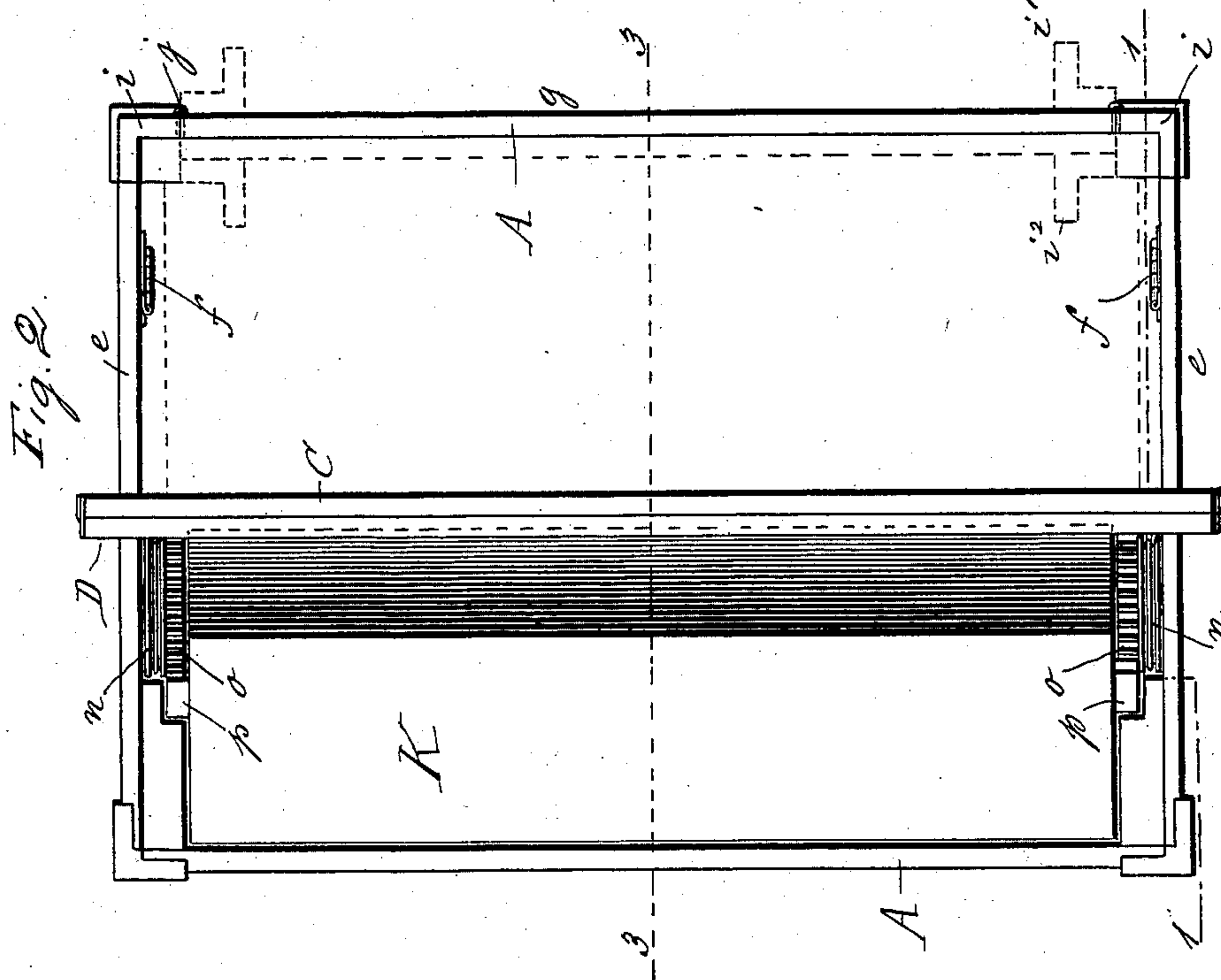


C. SONNE.

WRITING DESK AND TABLE COMBINED.

No. 364,684.

Patented June 14, 1887.



Witnesses.  
W. Rossiter  
Otto Rubkott.

Inventor.  
Charles Sonne  
By Wm. H. Lotz  
Atty.

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Fig. 4

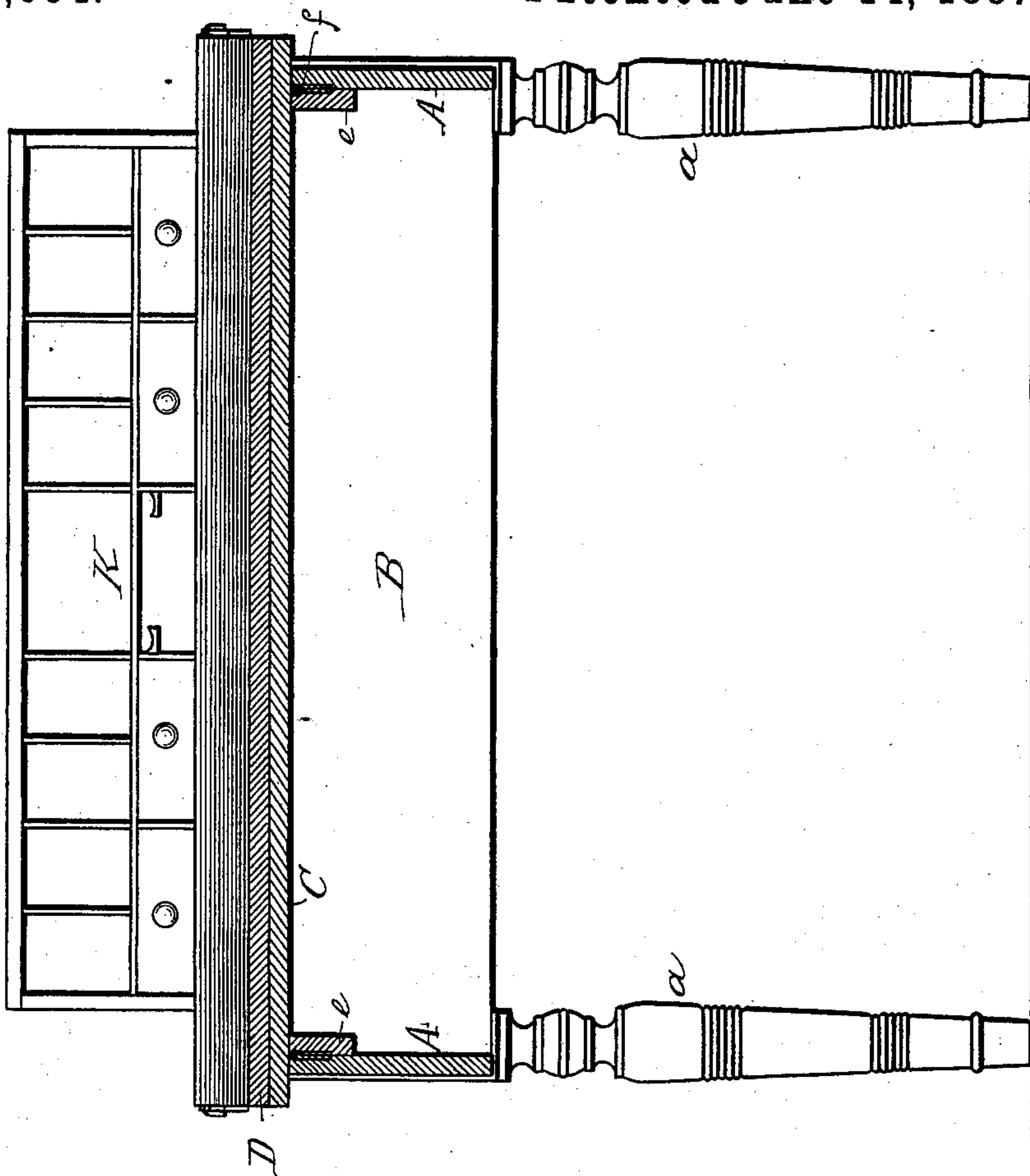
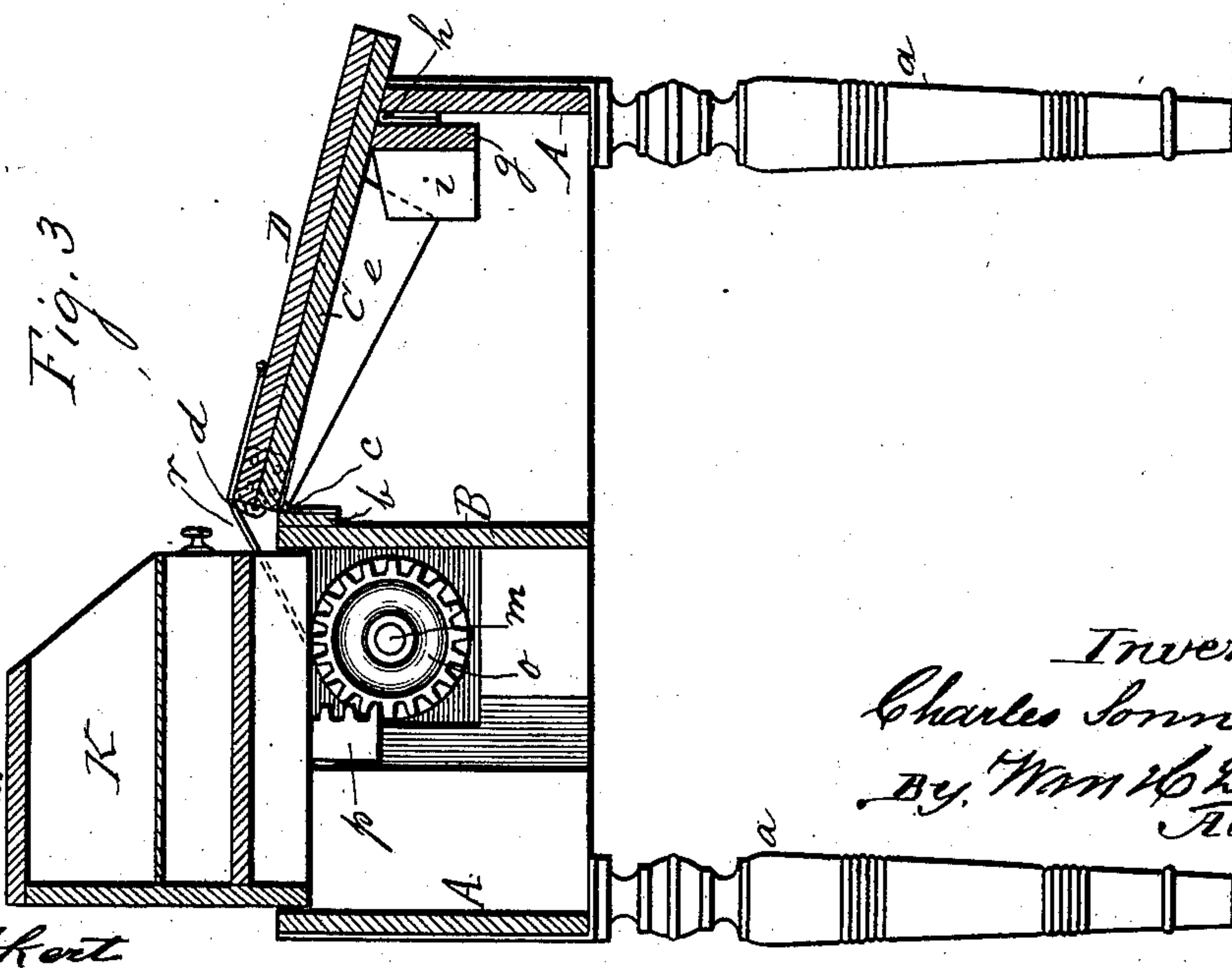


Fig. 3



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# UNITED STATES PATENT OFFICE.

CHARLES SONNE, OF CHICAGO, ILLINOIS.

## WRITING-DESK AND TABLE COMBINED.

SPECIFICATION forming part of Letters Patent No. 364,684, dated June 14, 1887.

Application filed March 14, 1887. Serial No. 230,779. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES SONNE, a citizen of the United States of America, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in a Writing-Desk and Table Combined, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention has for its object to provide a table that by a simple manipulation can be converted into a writing-desk; and for that purpose it consists of the novel devices and combinations of devices, hereinafter described and specifically claimed.

15 In the accompanying drawings, Figure 1 represents a sectional end elevation of the table on line 1 1 in Fig. 2; Fig. 2, a plan of of the same, both table-top leaves being swung to a vertical position; Fig. 3, a transverse vertical section, on line 3 3 in Fig. 2, of the table as converted into a desk; and Fig. 4 a longitudinal vertical section of same on line 4 4 in Fig. 1.

25 Corresponding letters in the several figures of the drawings designate like parts.

30 A denotes the table-frame, supported on legs *a* and provided in about its center with longitudinal partition B, re-enforced on top by a strip, *b*, to which, by hinges *c*, is pivotally secured the forward leaf, C, of the table-top. The rear leaf, D, is pivotally connected again to the rear edge of leaf C by hinges *d*, in a manner that the leaf D can be folded upon the front leaf, C, and that both leaves thus folded can be raised to a vertical position.

35 The forward portion of frame A is made to form an inclined support for top leaf, C, as most desirable for a writing-desk, and is provided with folding strips that, when interposed, will raise such top leaf to a horizontal position, as will be desirable for a table.

40 This construction consists of wedge-shaped strips *e*, secured against the inclined upper edges of the sides of frame A by hinges *f*, so as to fold against the inside thereof, of a front strip, *g*, secured by hinges *h* against the upper rear edge of the front of frame A, and of corner-pieces *i*, secured to the ends of front strip, *g*, by hinges *j*, in a manner that, while the top leaf, C, is lifted to clear frame A, the pieces *e*

are first folded down. Next, the corner pieces *i* are swung outward against the front face of strip *g*, to occupy a position as shown in dotted lines by *i'* in Fig. 2, and then such strip *g* is folded inward against the rear face of the front board of frame A, when the corner-pieces *i* will occupy the position shown by dotted lines and indicated by *i''* in Fig. 2, and then by lowering leaf C again upon such frame it will be supported thereon to be on an inclined position; but while the strips *e* and *g* and the corner-pieces *i* are turned to their upright positions they will form a smooth upward continuation of frame A and will provide horizontal supporting-edges for the table-leaf C.

45 The space in frame A back of partition B is occupied by a vertically-sliding shelf, K, arranged to hold books, inkstand, and pens, and with drawers for holding papers. Against the inward face of each side board of frame A, behind partition B, is secured a stud, *m*, upon which is pivoted a sheave, *n*, and a gear-wheel, *o*, integral therewith, and against each end of shelf K is secured a vertical rack-bar, *p*, the teeth of which engage with the teeth of gear-wheels *o* in a manner that a rotating movement of wheels *n* and *o* will transmit a vertical straight-line movement of shelf K. One end of a string, *r*, is rigidly secured in the circumferential groove of each sheave, *n*. Thence the string is wound once around such sheave *n* and is secured with its opposite end against the under side of leaf D at about one-third of its entire width from hinges *d*, in a manner that the swinging of the one-half of a revolution of leaf D from the position of forming the rear table-top to the folded position for forming the desk-top will rotate wheels *n* and *o* sufficiently for raising the shelf K from the position occupied below the table-top to the elevated position shown in Figs. 3 and 4. With converting the desk into a table again the shelf will move down by its own gravity, releasing its supports by turning leaf D to cover the rear of the table again, and when in that position the shelf K will be concealed.

50 By the above-described arrangement, as will be readily seen, a piece of furniture is produced that will not vary in its appearance from a common table, and which by simple movements can be instantly converted into a

convenient writing-desk provided with the usual commodities.

What I claim is—

1. The combination of the double-leafed top  
5 D, hinged together and to the frame of the table, the stud or studs *m*, sheave or sheaves *n*, cord or cords *r*, connecting the lid or top with said sheave or sheaves, and the gear or gears *o* on the studs *m*, with the vertically adjustable  
10 or movable shelf K and the rack bar or bars *p*, connected thereto and engaging with the gear or gears, as set forth.

2. A combined desk and table, consisting of the frame A, provided with the folding strips  
15 *e* and *g* and folding corner-pieces *i*, and the partition B, the double-leafed lid or top D, the two parts whereof are hinged together and to the partition B, the studs *m*, sheaves *n*, and

gears *o*, and the cords *r*, connecting the top or lid with the sheaves *n*, the movable shelf or  
20 part K, having the racks *p p*, engaged with the gears *o*, all combined and arranged substantially as set forth.

3. The combination, with table-frame A, supported on legs *a* and provided with parti- 25 tion B, and with sheaves *n* and gear-wheels *o*, of shelf K, having rack-bars *p*, engaging with wheel *o*, and folding table-top D, coupled with sheaves *n* by strings *r*, all substantially as described, to operate as specified. 30

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES SONNE.

Witnesses:

WILLIAM H. LOTZ,  
OTTO LUBKERT.