A. S. FALLS.

DESK.

APPLICATION FILED NOV. 24, 1917.

1,377,767.

Patented May 10, 1921.

4 SHEETS—SHEET 1.

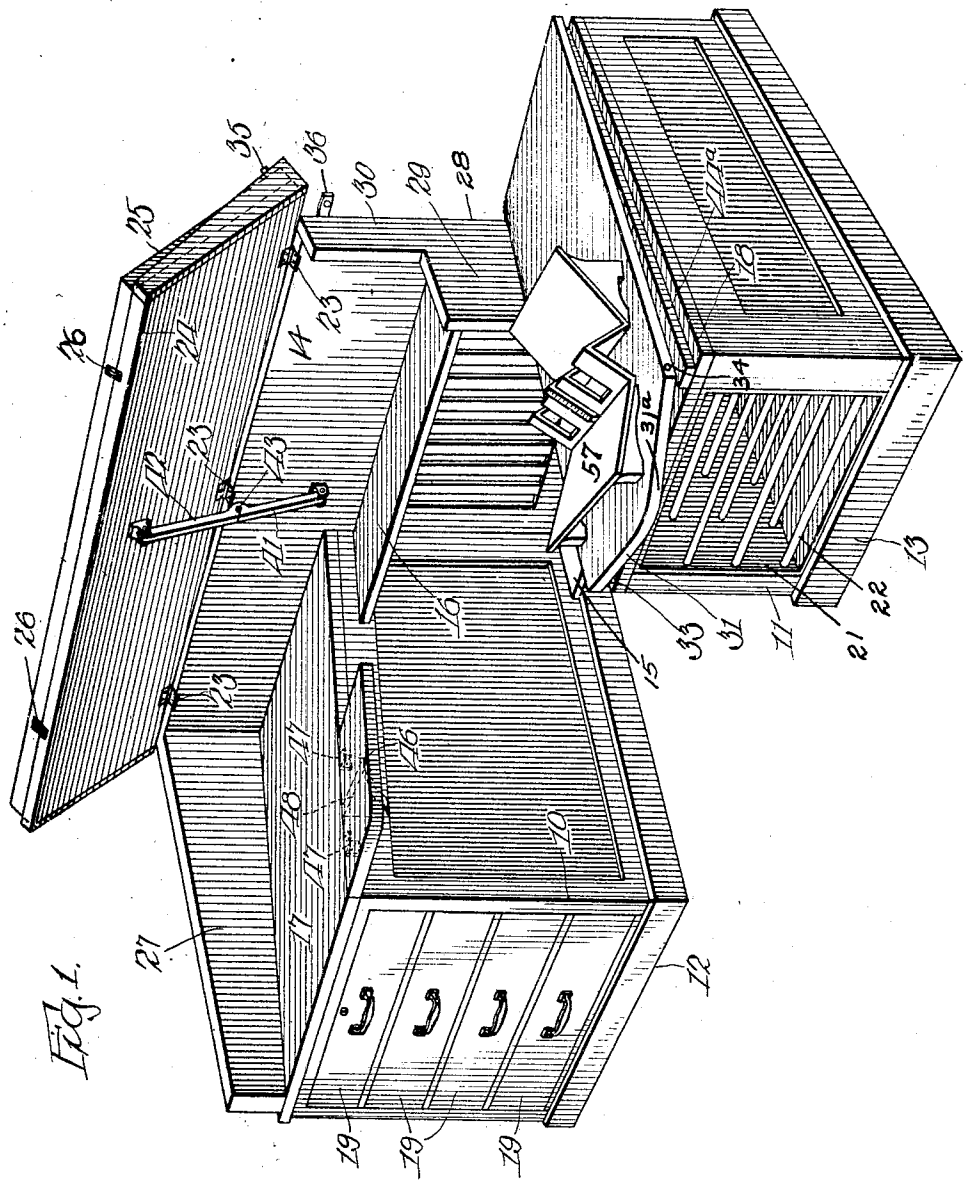


Fig. 1.

Witness:
Leo. F. DuPont.

Inventor:
Alexander S. Falls
by Barnett & Truman
Attys.

A. S. FALLS.

DESK.

APPLICATION FILED NOV. 24, 1917.

1,377,767.

Patented May 10, 1921.

4 SHEETS—SHEET 2.

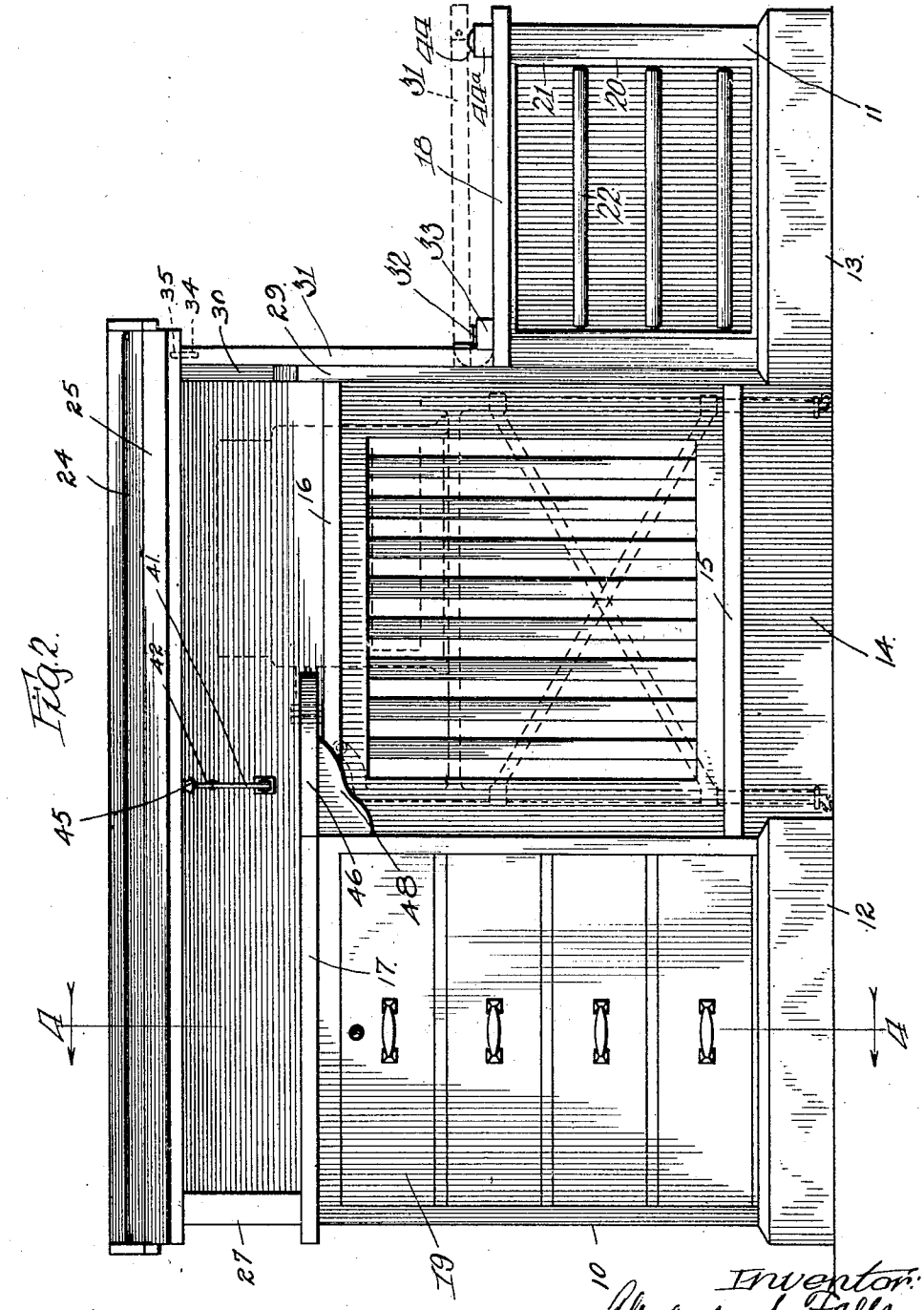


FIG. 2.

Witness:
Leo J. DuMais.

Inventor:
Alexander S. Falls
by
Barnett & Brennan
Attys

A. S. FALLS.

DESK.

APPLICATION FILED NOV. 24, 1917.

1,377,767. Patented May 10, 1921.

4 SHEETS—SHEET 3.

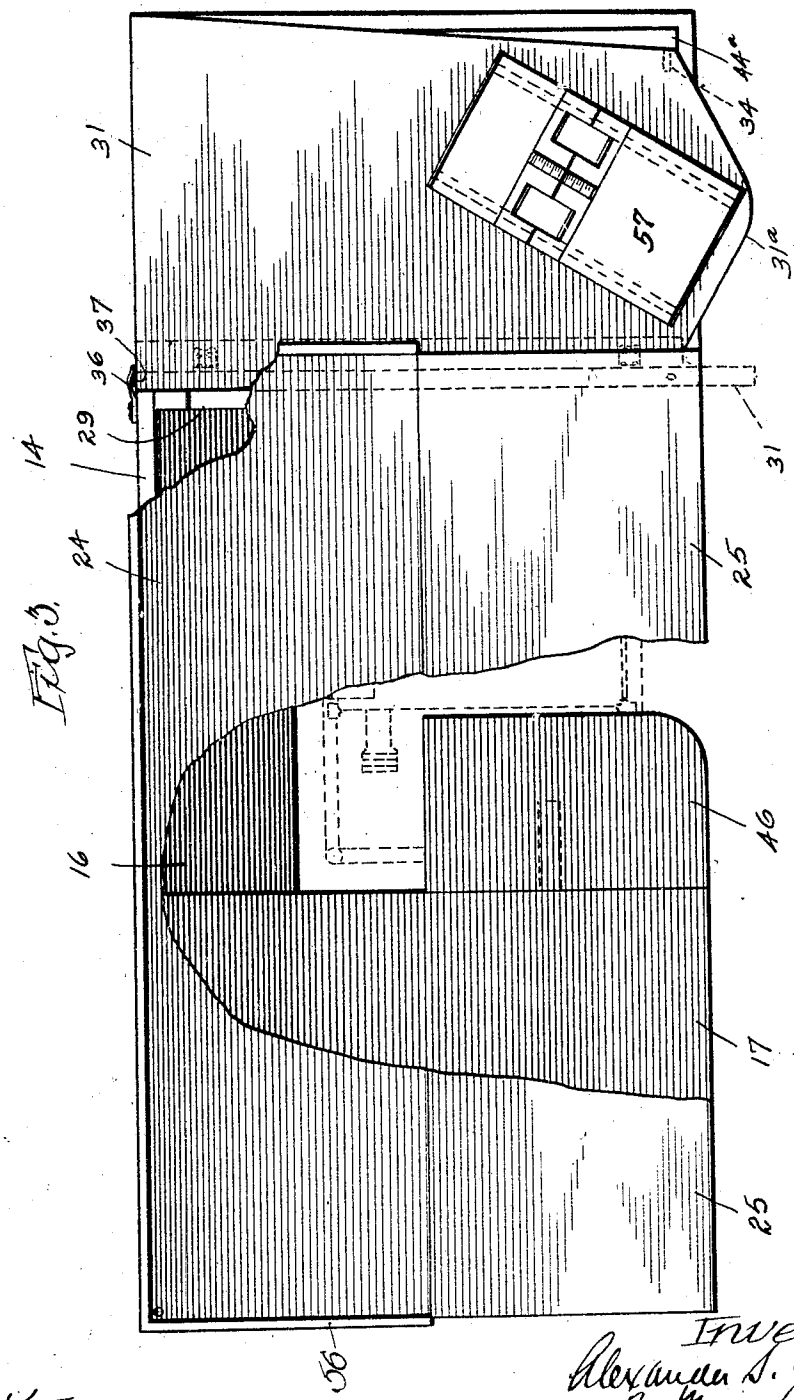


Fig. 3.

Witness:
Leo J. Dumas.

Inventor:
Alexander S. Falls
by Barnett & Truman
Attys

A. S. FALLS.

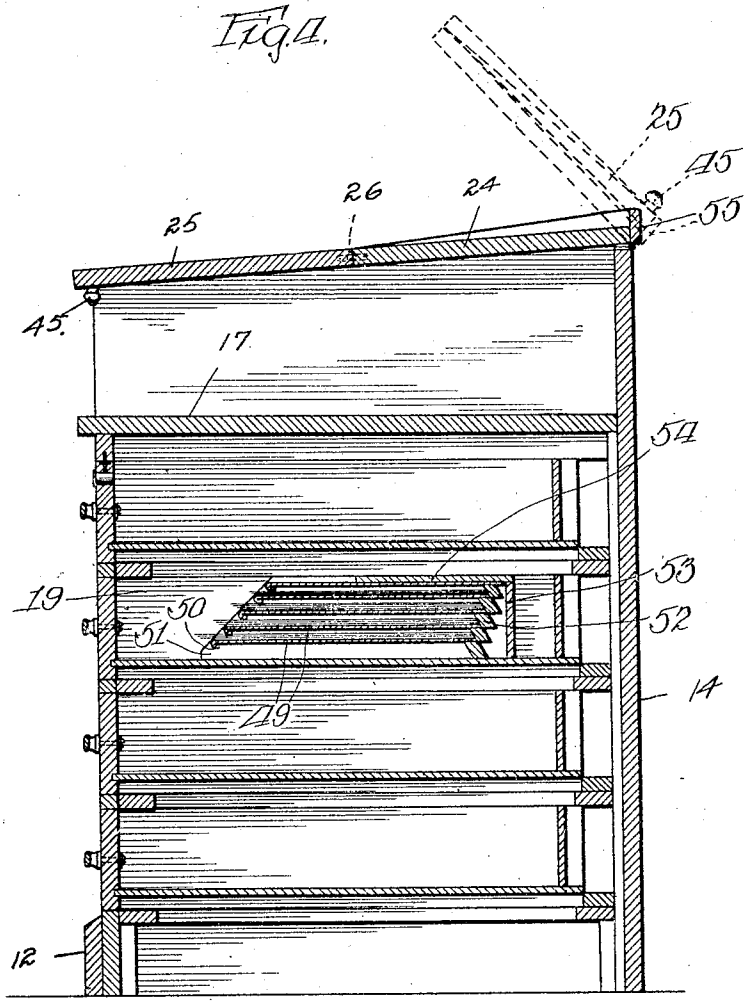
DESK.

APPLICATION FILED NOV. 24, 1917.

1,377,767. **Patented May 10, 1921.**

4 SHEETS—SHEET 4.

Fig. 4.



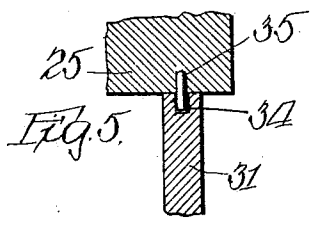


Fig. 5.

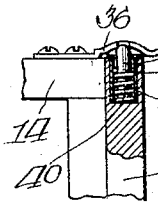


Fig. 6.

Witness:
Leo. F. Dumais.

Inventor:
Alexander S. Falls
Barnett & Pillman
Attys.

UNITED STATES PATENT OFFICE.

ALEXANDER S. FALLS, OF GLENCOE, ILLINOIS.

DESK.

1,377,767. Specification of Letters Patent. Patented May 10, 1921.

Application filed November 24, 1917. Serial No. 203,767.

To all whom it may concern:

Be it known that I, ALEXANDER S. FALLS, a citizen of the United States, residing at Glencoe, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Desks, of which the following is a specification.

My invention relates to a desk and provides an improved desk for use in connection with a typewriting machine, particularly a machine for making typewritten entries on ledger sheets or similar typewriting operations, the desk being so constructed that when the typewriting machine is not in use the desk may be employed for bookkeeping, or other clerical operations requiring a flat surface of considerable area on which the clerk may place his books or papers in the usual way.

A principal object of the invention is to provide a desk of this sort which will be compact in its structure, convenient to manipulate and strong and durable in its construction.

A further object of the invention is to furnish a desk which will provide supporting surfaces on opposite sides of the typewriting machine, preferably at different levels, for reasons which will hereinafter appear, and in addition, a folding combination cover and desk top which, besides covering the typewriting machine when the latter is not in use, provides a flat surface, preferably inclined downwardly toward the front of the desk, for clerical operations of a general character.

The invention consists of the novel constructions, arrangements and devices to be hereinafter described and claimed, for carrying out the above stated objects and such other incidental objects as will appear from the following description.

The invention is shown in a preferred embodiment, in the accompanying drawings, wherein—

Figure 1 is a view, in perspective, of the desk with the combined cover and desk top folded back so that the typewriting machine may be used.

Fig. 2 is a front elevation of the desk.

Fig. 3 is a plan view of the same with the folding top partly broken away.

Fig. 4 is a cross sectional view on line 4—4 of Fig. 2.

Fig. 5 is a detail sectional view, taken on an enlarged scale, on line 5—5 of Fig. 2, and

Fig. 6 is a plan view, with parts in section, of the upper right hand corner of the back of the desk, with associated parts, showing the latch for holding in its upright position the folding leaf which supports the cover or desk top.

Like characters of reference designate like parts in the several figures of the drawings.

Referring to the drawings, the desk comprises two box-like desk sections 10, 11, suitably supported for example, on bases 12, 13, and connected by a back 14, reinforced by horizontal members 15, 16, which also serve as stops for the typewriting machine when put in place on the desk. The top member 17 of the left hand desk section is preferably at a higher level than the top member 18 of the desk section 11. The desk sections are provided with drawers, covers, or the like. I have shown the section 10 furnished with drawers 19. The desk section 11 is constructed so as to provide a cupboard 20 in which is preferably arranged a book rack 21 furnished with rollers 22 for convenience in handling the books. The back member 14 of the desk extends above the desk section 10 and has hinged thereto, by hinges 23, a combination cover and desk top preferably made up of two folding leaves 24, 25, united by flush hinges 26, of well known type. On the top member 17 of the left hand desk section is an end member 27 which is of diminished width from the back of the desk toward the front and provides a support for one edge of the cover 24, 25, when the latter is folded down over the typewriting machine. The typewriting machine, in its usual position, is shown in dotted lines in Figs. 2 and 3. The inner side piece 28 of the right hand desk section has an extension 29 above the top member 18 of said section. This extension is considerably narrower than the depth of the desk having substantially the width only of the cross brace 16 to which it is attached. It is further narrowed above the cross piece 16, as shown at 30. For supporting the right hand edge of the desk top 24, 25, I preferably provide a leaf 31 or end member considering its function as a support for the right hand end of the cover 25, 26, formed preferably with the bulge or extension 31ª at its forward edge, this leaf being hinged at 32 to a block 33 at

the inner edge of member 18. In the forward corner of the leaf 31 is an opening 34 which is adapted to receive a dowel 35 fixed in the forward leaf 25 of the desk top. 36 is a latch secured to the upper right hand corner of the back member 14 of the desk and adapted to be engaged by a stud 37 arranged in a housing 38 in the corner of the folding leaf 31, the stud being furnished with a transverse pin 39 against which bears a coiled spring 40. The desk top 24, 25 is held in its raised position by a diagonally arranged support consisting of links 41, 42, hinged to the back member 14 and to leaf 24 of the desk top, respectively, and hinged to one another, as shown at 43. The folding leaf 31 is preferably provided with pads 44 at its outer edge for supporting the leaf on a strip 44ª on the top member 18 when the leaf is folded down upon the same, as shown in Fig. 1, and by the dotted outline in Fig. 2. The outer leaf 25 of the desk top is preferably provided, for convenience in folding and unfolding the top, with a knob 45. The top member 17 is provided with an extension member 46 hinged to member 17 preferably by means of flush hinges 47 and supported in its extended position on a bracket 48. The extension piece 46 is hinged to member 17 in order that the typewriting machine may be removed from the desk when necessary.

I preferably provide the desk with a paper holding rack which may be built into one of the drawers 19, as shown in Fig. 4. The paper rack comprises a plurality of shelves 49 of increasing depth from top to bottom, and composed preferably of sheet metal with the forward edges of the sheets turned over or beaded, as shown at 50. The shelves are arranged between side pieces 51 and form a plurality of pockets of varying depth to accommodate sheets of paper of different sizes. The back of each pocket is closed by a strip 52, the inner surface of which is inclined so that the pocket will be deeper at the bottom than at the top. When the pile of paper sheets is pushed against the back strip the forward edge of the pile has the same inclination as the back strip of the pocket which facilitates the removal of the sheets one by one. The rack may be finished by a wooden back piece 53, and a top piece 54.

The back leaf 24 of the desk top is preferably provided at its rear edge with a projecting strip or rim 55 and the side edges with strips 56.

When the desk is used for making typewritten entries on ledger sheets, or for similar typewriting operations, the desk top or cover 24, 25 will be raised to the position shown in full lines in Figs. 1 and 2. The folding leaf 31 will, in this case, rest upon the top member 18 of the right hand desk section and may be used to support a ledger or rack for ledger sheets, the latter being shown at 57 in this position on the desk, the angular extension or bulge 31ª being for the purpose of providing a more conveniently shaped support for the ledger rack. The operator will use the top member 17 of the left hand desk section and its extension piece 46 for his copy.

When the desk is to be used for ordinary clerical work the combined cover and desk top 24, 25 will be folded down to the position shown in the full lines in Figs. 3 and 4. The leaf 31, in such case, will be turned up to its vertical position and the dowel 34 engaged with the forward right hand corner of the desk top. In this position of the parts the desk is an ordinary bookkeeper's desk and may be used as such.

I claim:

1. In a desk the combination of end and back members, a desk section the top of which is lower than the upper edge of the end and back members and which is arranged adjacent one end of the desk to provide a space for a type writing machine, said top being provided at its inner edge with an extension piece making said top effectively wider at the front than the back for the purpose described, and a combined bookkeeper's desk top and cover hinged to the back of the desk and adapted to be supported by the end members.

2. In a typewriter's and bookkeeper's desk a structure comprising a back member and end members providing a space for a typewriting machine inclosed at the back and ends and open in front from the top of the structure down to the floor, in combination with means providing a supporting surface at one side of said space below the upper edges of said structure and a folding cover and bookkeeper's desk top adapted to be folded down upon said end members or back so as to uncover the space between the same.

3. In a desk, the combination of two desk sections spaced apart to provide room for a typewriting machine, a back member uniting said sections, a combined desk top and cover which is hinged to the back member so that it may be folded down over the space between said sections or raised to uncover the same, and supporting means for said combined top and cover when it is folded down comprising a member hinged to one of said desk sections.

4. In a desk, the combination of two desk sections spaced apart to provide room for a typewriting machine, a back member uniting said sections, a combined desk top and cover which is hinged to the back member so that it may be folded down over the space between said sections or raised to uncover the same, and supporting means for the top

when it is folded down comprising an upstanding member hinged to one of said desk sections which folds down upon said section when the top is raised.

5. In a desk, the combination of two desk sections spaced apart to provide room for a typewriting machine, the upper surfaces of said sections being at different levees, a back member uniting said sections, and a combined desk top and cover which is hinged to the back member so that it may be folded down over the typewriting machine supported between said sections or raised to uncover the same.

6. In a desk, the combination of two desk sections spaced apart, a back member uniting said sections, and a combined desk top and cover adapted when closed to provide a space between one of said sections and said cover comprising two leaves hinged together and one of them hinged to said back member.

7. In a desk, the combination of two desk sections spaced apart to provide room for a typewriting machine, a back member uniting said sections, and a combined desk top and cover which is hinged to the back member so that it may be folded down over one of the sections and the space between said sections or be raised to uncover the same.

8. In a desk, the combination of two desk sections spaced apart to provide room for a typewriting machine, a back member uniting said sections, a combined desk top and cover which is hinged to the back member so that it may be folded down over one of the sections and the space between said sections or be raised to uncover the same, and means for supporting the top in its folded down position comprising a member hinged to the other desk section.

9. In a desk, the combination of two desk sections spaced apart to provide room for a typewriting machine, a back member uniting said sections, a combined desk top and cover which is hinged to the back member so that it may be folded down over one of the sections and the space between said sections or be raised to uncover the same, and means for supporting the top in its folded down position comprising a leaf hinged to the inner edge of the other desk section so that it may be folded down upon the same.

10. In a desk, the combination of two desk sections spaced apart, one of which stands higher than the other, a back member uniting the same which extends above the higher section, a side piece at the outer edge of the higher section, a combined desk top and cover hinged to the back member, and a leaf hinged to the lower desk section so that it may be turned to a vertical position to support one edge of the top or be turned down upon the desk section to which it is hinged.

11. In a desk, the combination of two desk sections spaced apart, one of which stands higher than the other, a back member uniting the same which extends above the higher section, a side piece at the outer edge of the higher section which is of diminished height from the back of the desk to the front, a combined desk top and cover hinged to the back member, and a leaf hinged to the lower desk section, the outer edge of which is oblique corresponding to the slope of the side piece so that when in upright position it will support one edge of the top, said leaf being foldable down upon the top of the desk section to which it is hinged.

12. In a desk, the combination of two desk sections spaced apart, one of which stands higher than the other, a back member uniting the same which extends above the higher section, a combined desk top and cover hinged to the back member, and a leaf hinged to the inner edge of the lower desk section so that it may be turned to a vertical position to support one edge of the top or be turned down upon the desk section to which it is hinged.

13. In a desk, the combination of two desk sections spaced apart to provide room for a typewriting machine, a back member uniting said sections, a combined desk top and cover which is hinged to the back member so that it may be folded down over the space between said sections or raised to uncover the same, and an extension leaf which lies in the same plane with and adjacent to the upper surface of the top member of one of said sections and on the inner side thereof and is movable to allow the typewriting machine to be placed in and removed from the desk.

14. In a desk, the combination of a left hand desk section, a right hand desk section which is lower than the left hand section, a back uniting said sections which extends above the higher desk section, a combined cover and desk top consisting of two leaves hinged together and one of them hinged to the back member, foldable means for holding the top in raised position, a side piece on the higher desk section along the outer side edge thereof, a leaf hinged to the inner edge of the lower desk section, said side piece and leaf being adapted to support the top when unfolded in an inclined position, and engaging means for holding said leaf in upright position.

15. A desk comprising a folding panel providing a combined desk top and cover and means for supporting the same when it is in extended position comprising a hinged leaf adapted to be lowered to a horizontal position, the forward edge of which is shaped so as to provide a projection which stands out beyond the body of the desk, for the purpose described.

16. In a desk of the character described,

the combination of end and back members, a desk section, the top of which is lower than the upper edge of the end and back members, and a combined bookkeeper's desk top and cover adapted to be supported by the end members and comprising leaves hinged together, one of said leaves being hinged to said back member.

17. In a desk of the character described, the combination of a flat desk top, back and end members which extend above said flat desk top, and a folding cover adapted to be supported by the end members and comprising leaves hinged together adapted to be folded to uncover said flat desk top, and when extended to provide a combined bookkeeper's desk top and cover.

18. In a desk of the character described, the combination of a flat desk top, back and end members which extend above said flat desk top, and a folding cover adapted to be supported by the end members and comprising leaves hinged together adapted to be folded to uncover said flat desk top, and when extended to provide a desk top and cover which inclines downwardly.

19. In a desk, the combination of a flat desk top, a back member, and a folding cover comprising leaves hinged together adapted to be folded to uncover said flat desk top, and when extended to provide an inclined desk top, and foldable supporting means for supporting said folding cover.

20. A combination desk of the character described, comprising a flat desk top, a back panel, a combined bookkeeper's desk top and cover adapted to be folded down to cover the said flat desk top, rigid means for supporting one end of the said cover when it is in its folded down position, and movable means for supporting the other end of said cover.

21. A combination desk of the character described comprising a flat desk top, a back panel, a combined bookkeeper's desk top and cover hinged to said back panel and comprising leaves hinged together and adapted to be folded down to cover said flat desk top and provide a bookkeeper's desk top, rigid means for supporting one end of said folding desk top when the same is in its folded down position, and means movable into position to support the other end of said folding desk top.

22. In a desk, the combination of end and back members, a desk section the top of which is lower than the upper edge of the end and back members and which is arranged adjacent one end of the desk to provide a space at one side of said section for a typewriting machine, and a combined bookkeeper's desk top and cover hinged to the back of the desk and adapted to be supported by the end members.

23. In a desk, the combination of end and back members, a desk section the top of which is lower than the upper edge of the end and back members and which is arranged adjacent one end of the desk to provide a space at one side of said section for a typewriting machine, a combined bookkeeper's desk top and cover comprising leaves hinged together and adapted to be raised to uncover said desk section and typewriting machine or folded down to cover the same, and means for supporting opposite ends of said folding cover when the same is in desk closing position.

24. In a desk, the combination of end and back members, a flat desk top which stops short of the end of the desk to provide room for a typewriting machine, and a combined bookkeeper's desk top and cover hinged so as to be raised to uncover said desk top and typewriting machine or lowered to cover the same.

25. In a typewriter's and bookkeeper's desk a structure comprising a back member and end members providing a space for a typewriting machine, inclosed at the back and sides and open in front from the top of the structure down to the floor, in combination with means providing a supporting surface at one side of the said space, and a folding bookkeeper's desk top and cover comprising two hinged sections adapted to be folded down upon said end members to a position inclined downwardly from back to front of the desk or to be folded back to uncover the space between said end members.

26. In a combination desk of the character described, the combination of end and back members, a flat desk section arranged in the space inclosed by said back and end members, a folding cover supported by the end members and providing a bookkeeper's inclined desk above said flat desk section; said folding cover comprising leaves hinged together and adapted to be folded down to cover the flat desk section or raised to uncover the same, the position of said folding cover with relation to the flat desk section being such as to provide an open space at the front of the desk when the folding cover is in its folded down position.

ALEXANDER S. FALLS.