

(No Model.)

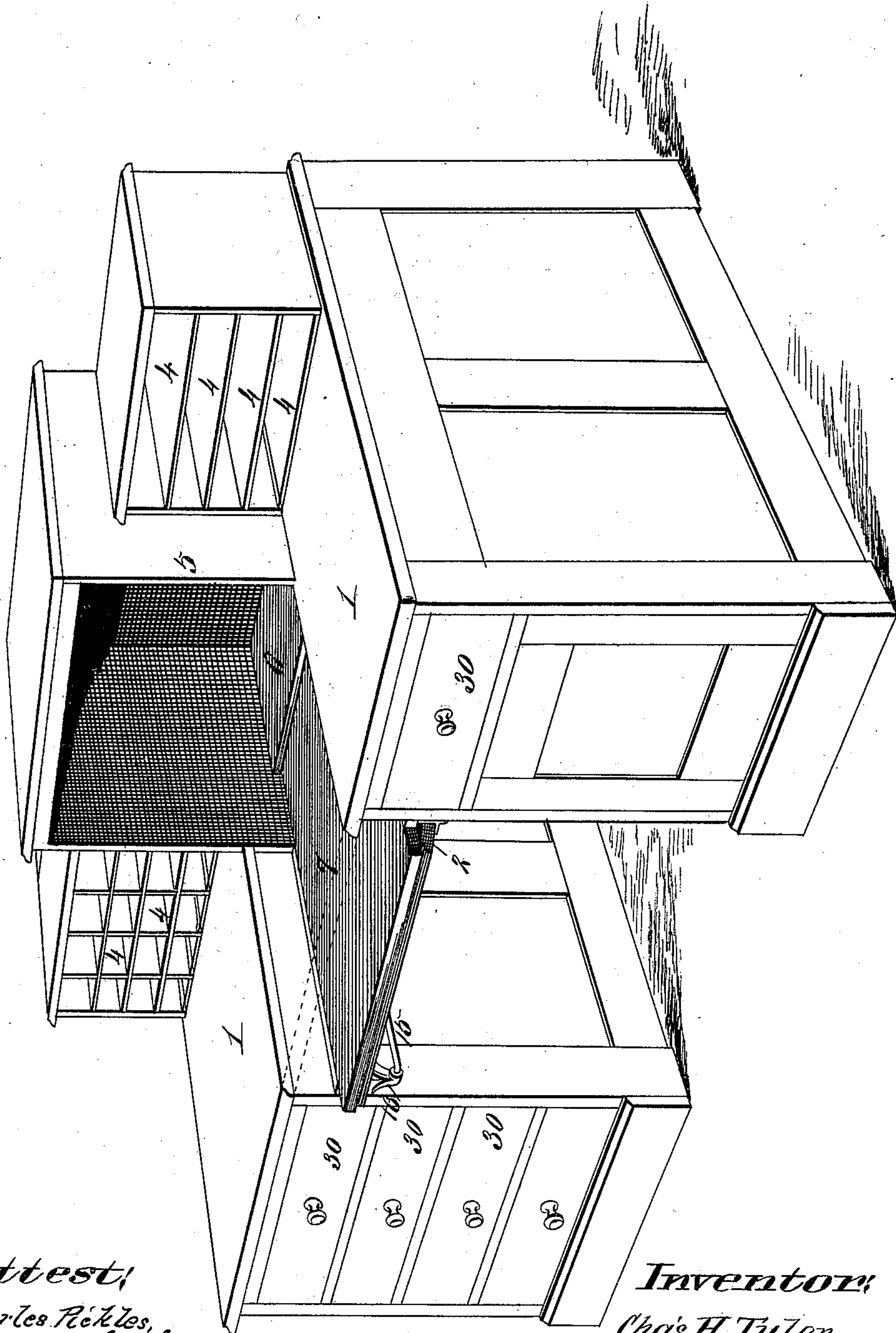
2 Sheets—Sheet 1.

C. H. TYLER.
TYPE WRITER DESK.

No. 408,553.

Patented Aug. 6, 1889.

Fig. 1.



Attest,
Charles Pickles,
Emma Arthur.

Inventor:
Chas H. Tyler
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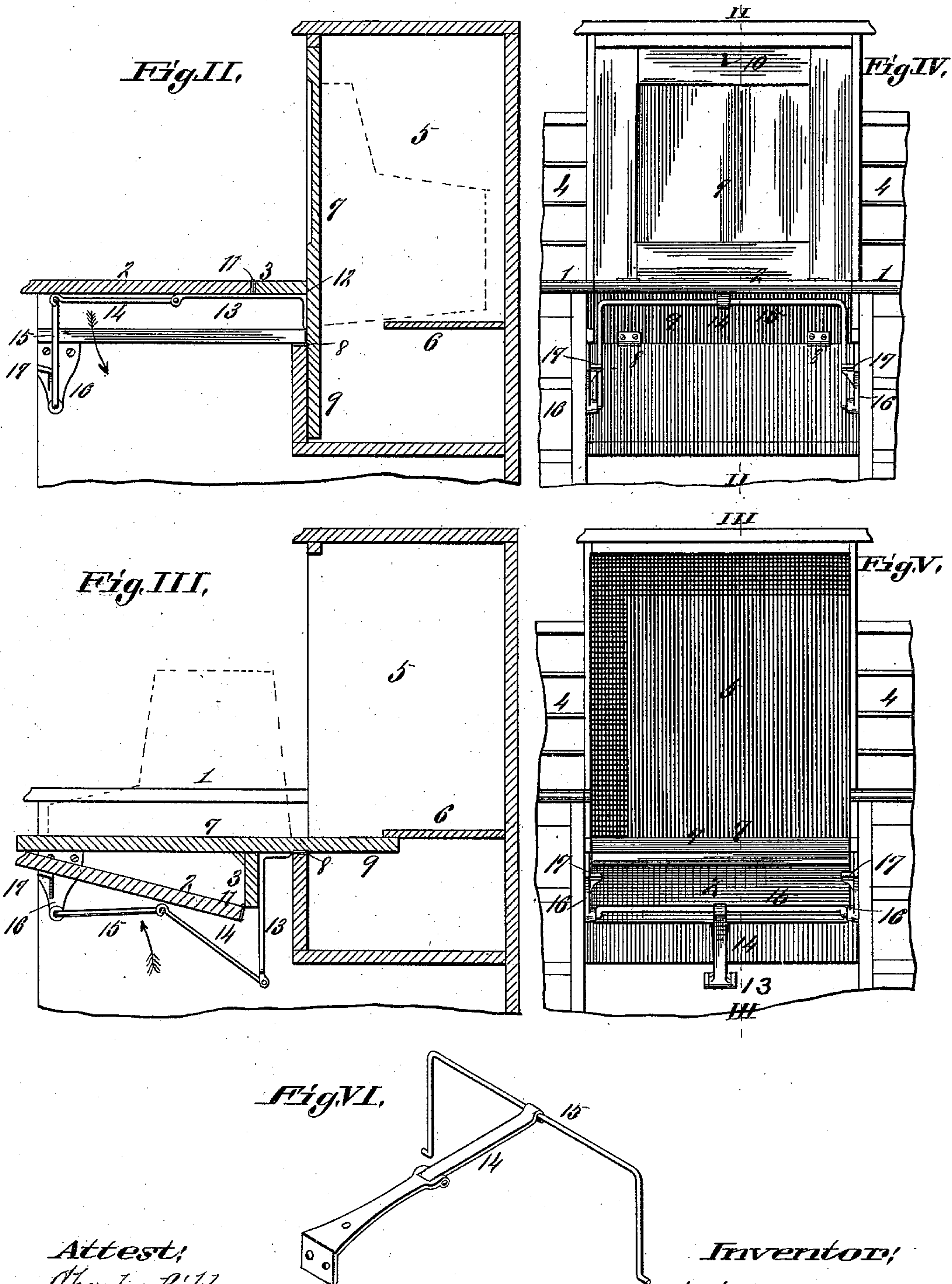
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UNITED STATES PATENT OFFICE.

CHARLES H. TYLER, OF ST. LOUIS, MISSOURI.

TYPE-WRITER DESK.

SPECIFICATION forming part of Letters Patent No. 408,553, dated August 6, 1889.

Application filed July 19, 1887. Serial No. 244,744. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. TYLER, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Type-Writer Desks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure I is a perspective view of my improved desk. Fig. II is a detail vertical section taken on line II II, Fig. IV. Fig. III is a similar view to Fig. II, except the device is shown with the machine-support turned outward into using position instead of being closed, as in Fig. II. This figure is taken on line III III, Fig. V. Fig. IV is a detail view showing the upper central portion of the desk and table and showing the machine-support closed. Fig. V is a similar view showing the machine-support open. Fig. VI is a perspective view of the device for raising the central part of the table as the machine-support is closed.

My invention relates to a type-writer desk, the arrangement being such that when the machine is in using position it is low enough to be within convenient reach of the operator, and when closed the portion of the table of the desk which was beneath the machine when in its using position is automatically raised to bring it in line with the rest of the table.

My invention consists in features of novelty, hereinafter fully described, and pointed out in the claims.

Referring to the drawings, 1 represents the end portions of the table of the desk and 2 3 the central portion. The parts 1 of the table are stationary or fixed, and there may be located between them drawers 30, or any suitable receptacle for containing papers and books.

4 4 represent pigeon-holes and shelves located on the parts 1 of the table, and between these parts is a central portion 5 to receive the machine when not in use, as shown by dotted lines in Fig. II. Within this part 5 is a partition 6, upon which the inner portion of the machine rests when in its non-using position.

7 represents a support to which the machine is secured, and which is hinged at 8 to the body of the desk. It has a portion 9 beneath the hinge, which, when the support is open, comes against the partition 6 to assist in sustaining the outer end of the support. When folded up, the support carries the machine within the portion 5 of the desk and forms a door, closing the opening, and it may be provided with a lock, as shown at 10, Fig. IV, so that the owner may lock it up.

The parts 1 of the desk are of the proper height to be convenient, and are too high for a machine to be conveniently operated if placed thereon, and for this reason I have arranged the support 7 to fold below the parts 1 of the desk when opened, and in order that the table of the desk may be continuous when the machine is not in use and the support is folded up I provide the folding table or central portion 2 3, and arrange it so that it will automatically rise in line with the parts 1 as the machine-support is closed, and then will automatically recede as the machine-support is opened. To accomplish this, I form the part 2 3 in two parts, hinging them together at 11, the two being connected at 12 to the support 7.

13 represents an arm, which is secured at its inner end to the support 7 and to the part 3 of the table. (See Fig. III.) To the outer end of this arm is connected one end of a link 14, the other end of which is connected to a crank-shaft 15, which has bearings at its inner ends by means of brackets 16 on the frame of the table, as shown in Figs. II, III, and V.

The action of the parts is this: As the machine-support is opened from the position shown in Fig. II to the position shown in Fig. III, it will be seen that the outer end of the link 14 will leave the part 2 of the table, moving in the direction of the arrow, Fig. II. As it does so it moves the crank-shaft 15 away from the part 2 of the table in the direction indicated by the arrow, also in Fig. II, so that the part 2 3 of the table is brought down into the position shown in Fig. III, as the machine is brought into its using position. At this time the outer end of the part 2 of the table rests upon projections 17 on the

bracket 12, (see Fig. III,) and the outer end of the machine-support 7 rests on the outer end of the part 2 of the table. Now, when the machine-support is closed again the parts
5 are brought back to the position shown in Fig. II, moving in the direction of the arrows in Fig. III, and the parts 2 3 are brought into line with the parts 1 of the table of the desk. It will thus be seen that with this arrange-
10 ment the machine may be lowered into convenient using position, and when closed the table of the desk is continuous and unbroken and the machine is out of the way and the dust is excluded therefrom.

15 The movable portion or table 2 3, it will be observed, is secured to the machine-support at an angle corresponding to the angle at which the elevated receptacle stands to the top of the body portion or top 1 of the desk,
20 so that when the machine-support 7 and movable table portion 2 3 are elevated the former will completely close the receptacle and the latter will lie parallel with the top of the desk.

I claim as my invention—

25 1. The combination of the desk, a receptacle above the same, a machine-support hinged at the bottom of the receptacle, and a table attached to the machine-support and constructed to be brought into position for use
30 as a desk-top when the machine-support is raised to close the receptacle, substantially as set forth.

2. The combination, in a type-writer desk, of the body portion provided with an elevated
35 receptacle, a machine-support hinged at the bottom of the receptacle, and a table hinged to the machine-support, and mechanism to move the same into a horizontal position when the machine-support is raised to close the recepta-
40 cle, substantially as set forth.

3. The combination, in a type-writer desk, of the body portion, an elevated receptacle, a machine-support hinged at the bottom of the receptacle and adapted to close the re-
45 ceptacle, a folding table 2 3, attached to the machine-support, mechanism to raise the same into position for use as a desk-top when the machine-support is raised, as explained, and suitable devices for supporting the ma-
50 chine-support and table in either of their positions, substantially as set forth.

4. The combination, with a table having an open receptacle and a projection in the rear of said receptacle, of a machine-support hinged
55 intermediate of its ends at the front of said receptacle, one of the ends of said support being adapted to engage the said projection when the support is opened and said support closing said receptacle when raised, substan-
60 tially as set forth.

5. The combination, in a type-writer desk having a movable table formed of two pieces hinged together, of a machine-support hinged near the back of the table and having one of

said movable pieces rigidly secured thereto, 65 and projections for supporting the movable portion when the machine-support is lowered, substantially as set forth.

6. The combination, with a table having a movable portion hinged in two parts and a 70 machine-support hinged to the table and to which one of said parts is secured, of an arm secured rigidly to the machine-support, a crank-shaft, brackets on the table, in which the crank-shaft has bearing, a link connect- 75 ing the crank-shaft and said arm, and projections for supporting the movable portion of the table when the machine-support is opened, the movable portion being thereby automatically lowered, substantially as set 80 forth.

7. In combination with a desk having parts 1 and 5, the portion 6 in the back of part 5, machine-support 7, hinged to the body of the desk, near the bottom of part 5, a table 85 made in two parts 2 3, hinged together, part 3 being rigidly secured to the machine-support 7, arm 13, secured to the latter below part 3, link 14, connected with said arm, crank-shaft to which it is also connected, and 90 brackets 16 on the table, provided with projections 17, in which brackets the crank-shaft has bearings, said projections supporting the part 2 of the table in its lower por-
95 tion, all substantially as and for the purpose set forth.

8. In combination with a desk having a receptacle 5, a machine-support 7, hinged in front of said receptacle, having a downward extension 9, a partition 6 at the rear of said 100 receptacle with which the extension engages, a movable portion in front of said receptacle divided into two parts 2 3, hinged together, part 3 being rigidly secured to the machine-support, projection 17 of bracket 16, on which 105 the movable portion is adapted to be supported in its lower position, and connections for supporting it in and releasing the movable portion from its upper position, consisting of an arm 13 on the machine-support, crank- 110 shaft 15, having bearing in brackets 16 on the table, and a link connecting the arm 13 and crank-shaft 15, substantially as and for the purpose set forth.

9. In a type-writer desk, the combination 115 of the receptacle for receiving the machine when not in use, a door to the receptacle, which serves as a base or support for the machine when the latter is in using position, a jointed table secured to the door and having 120 arms projecting therefrom, brackets fixed to the desk, and stops for limiting the movement of the jointed table, substantially as and for the purpose set forth.

CHARLES H. TYLER.

In presence of—

GEO. H. KNIGHT,
JOS. WAHLE.