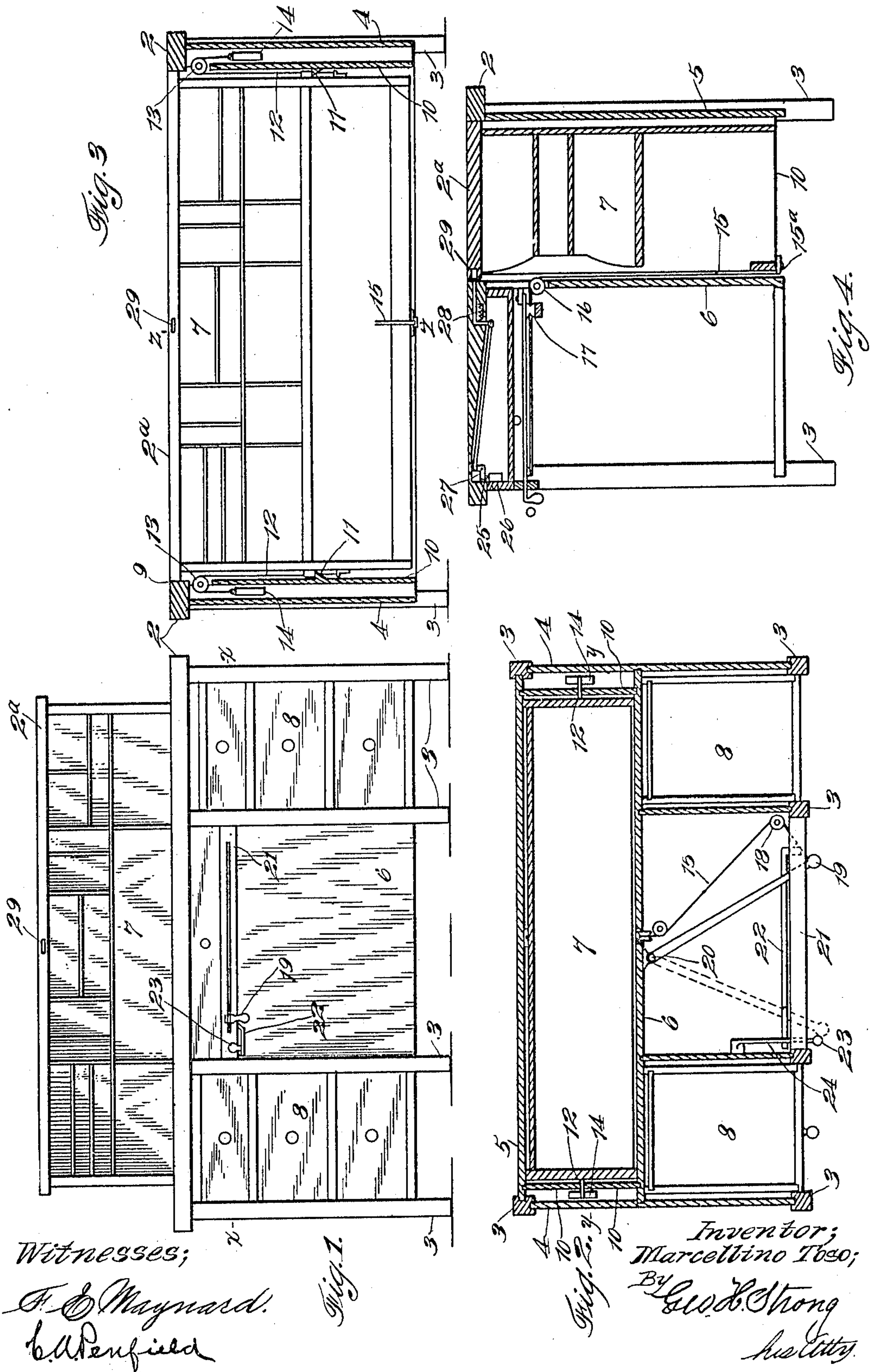


M. TOSO.
DISAPPEARING TOP DESK.
APPLICATION FILED JUNE 24, 1909.

947,359.

Patented Jan. 25, 1910.



UNITED STATES PATENT OFFICE.

MARCELLINO TOSO, OF SAN BRUNO, CALIFORNIA.

DISAPPEARING-TOP DESK.

947,359.

Specification of Letters Patent.

Patented Jan. 25, 1910.

Application filed June 24, 1909. Serial No. 504,201.

To all whom it may concern:

Be it known that I, MARCELLINO TOSO, a citizen of Italy, residing at San Bruno, in the county of San Mateo and State of California, have invented new and useful Improvements in Disappearing-Top Desks, of which the following is a specification.

This invention relates to a desk, and particularly pertains to adjustable or disappearing top desks.

It is an object of my invention to provide a simple, inexpensive desk for general use, embodying a filing cabinet of large capacity, and an important object is to provide means whereby the desk may practically, easily and successfully be transformed into a simple flat-top table.

A valuable feature of this desk is its especial design, which provides ample drawer-room and filing area, and is a comfortable, convenient, dust-proof article.

The invention consists of the parts and the construction and combination of parts, or their equivalents, as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 is a front elevation of the improved desk, with cabinet raised. Fig. 2 is a horizontal section on line $x-x$ Fig. 1. Fig. 3 is a section on line $y-y$ Fig. 2. Fig. 4 is a section on line $z-z$ Fig. 3.

In the present embodiment of my invention I show a popular design of desk having a good, substantial top board 2, of suitable dimensions, supported upon legs 3, into which are rabbeted the sides 4 and back 5, and a false back 6 is provided, between which back 5 and false back 6, is a space in which is slidably mounted a filing cabinet 7, of suitable arrangement. Horizontal drawers 8 are provided upon each side at the front of the desk, which extend back to the false-back 6, and are of such width as to leave sufficient space between them for the legs and feet of the user of the desk.

The important feature of the invention is the slidable cabinet 7 which is so mounted as to slide up and down through an opening 9, provided in the top 2, and it is guided by the panels 10 secured in the back 5 and false-back 6.

Referring to Fig. 3, the cabinet 7 is shown lowered so that its top 2^a is flush with the main desk top 2, and is supported upon suitable stops 11 secured to the panels 10. Fastened at convenient points of the cabinet 7

are cables 12 which extend up over pulley 13, journaled on the panels 10, the cables having secured to their free ends, suitable weights 14 sufficiently heavy to nearly lift the cabinet 7.

Any desirable or preferred form of mechanism may be utilized whereby the cabinet may be elevated, and to that end a cable 15 is shown (Fig. 4) attached at 15^a to the movable cabinet 7, and led around suitable direction pulleys 16, 17 and 18, and is secured to a lever 19 pivoted at 20, and supported in a slotted rail 21. To raise the cabinet, the lever 19 is firmly turned toward the left, thus pulling the cable 15 around pulley 18, and slowly raising the cabinet, and when this has reached its maximum, a spring 22 snaps up against the lever 19 and retains the parts in their position. In order to release the lever 19 from spring 22, it is only necessary to push down a small knob 23 formed upon the outer end of a pivoted arm 24, resting upon the free end of the spring 22. When the lever 19 has thus been released, the weights 14 will allow the cabinet to go down, the operator still holding lever 19.

For the purpose of locking the cabinet simultaneously with the locking of the drawers of the desk, a bolt 25 of a lock 26 is effective against a small bell-crank 27, mounted in a channel cut in the top 2, to thrust a rod 28 into a recess 29 in the cabinet top 2^a, thus preventing this from being opened while the desk is locked.

By this arrangement and design, it is manifest that I provide a desk that is at once simple, convenient and which may be used as a top-desk, or as a flat table at will, and hereby utilizing much space within the desk that is usually lost.

During the daytime when the desk is ordinarily in use the cabinet may be raised, and access easily had to the contents, when not in actual use the cabinet may be lowered, and is then practically dust-proof.

Since the top 2 and top 2^a are perfectly flush when the cabinet is lowered, the surface is clear of obstruction, and may be used in its entirety, this being an important advantage.

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

1. The combination in a desk, of a main

portion having an opening in the rear, a
vertically guided movable top, balance
weights, pulleys and flexible connections
whereby the top is normally depressed into
5 the main portion, a lever, guide pulleys and
flexible connections with the movable top
whereby it may be raised and exposed above
the desk, said lever being movable in a hori-
zontal plane having its inner end pivotally
10 secured to a fixed part of the desk, and said
flexible connections extending to and being
connected with the outer portion of the lever.

2. The combination in a desk, of a main
open top portion, a supplemental portion
15 guided and slidable through said opening,
weights, pulleys and a flexible connection
whereby the top is nearly balanced, with its
surface flush with that of the main portion,

a locking mechanism to retain the parts in
closed position, a lever and flexible connec- 20
tions whereby the top may be raised above
the desk level when released, said lever be-
ing horizontally disposed and having its
inner end pivotally connected to a fixed part
of the desk, and said connections being 25
guided to and connected with the free end of
the lever and means for locking the top in
said position.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing 30
witnesses.

MARCELLINO TOSO.

Witnesses:

F. A. CUNNINGHAM,
E. E. CUNNINGHAM.