

May 17, 1932.

A. A. HORTON

1,858,778

SUPPORT AND HOUSING FOR CALCULATING MACHINES

Original Filed Jan. 29. 1926 2 Sheets-Sheet 1

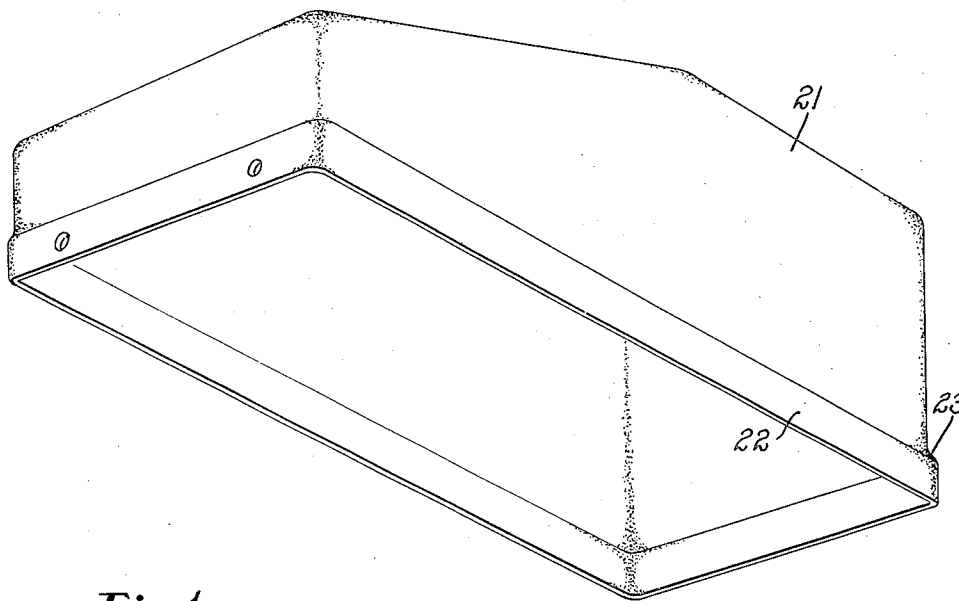
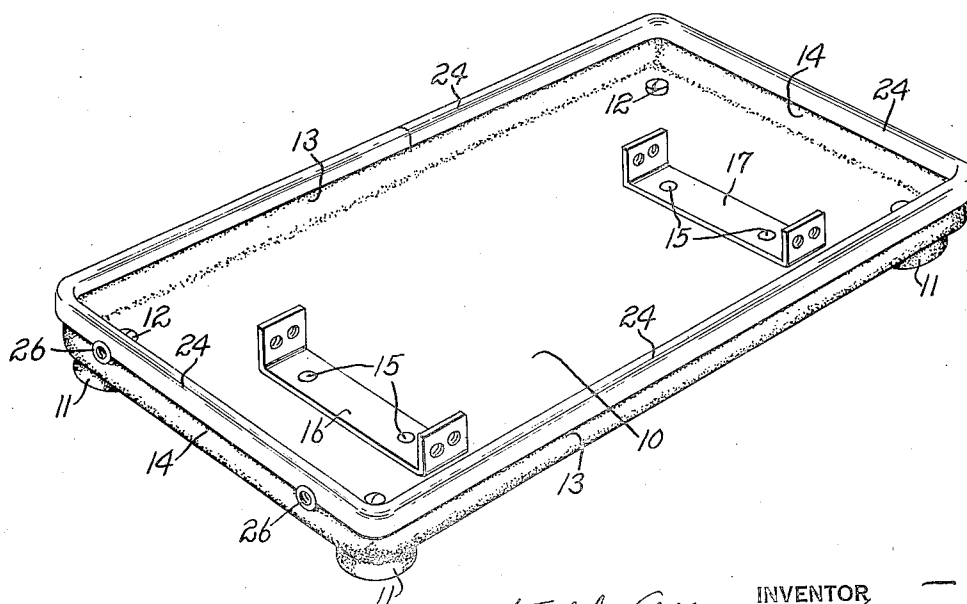


Fig. 1.



INVENTOR
Nathaniel H. Norton, *div'd*
BY
Rever, Hubber, & Macaulay
ATTORNEYS

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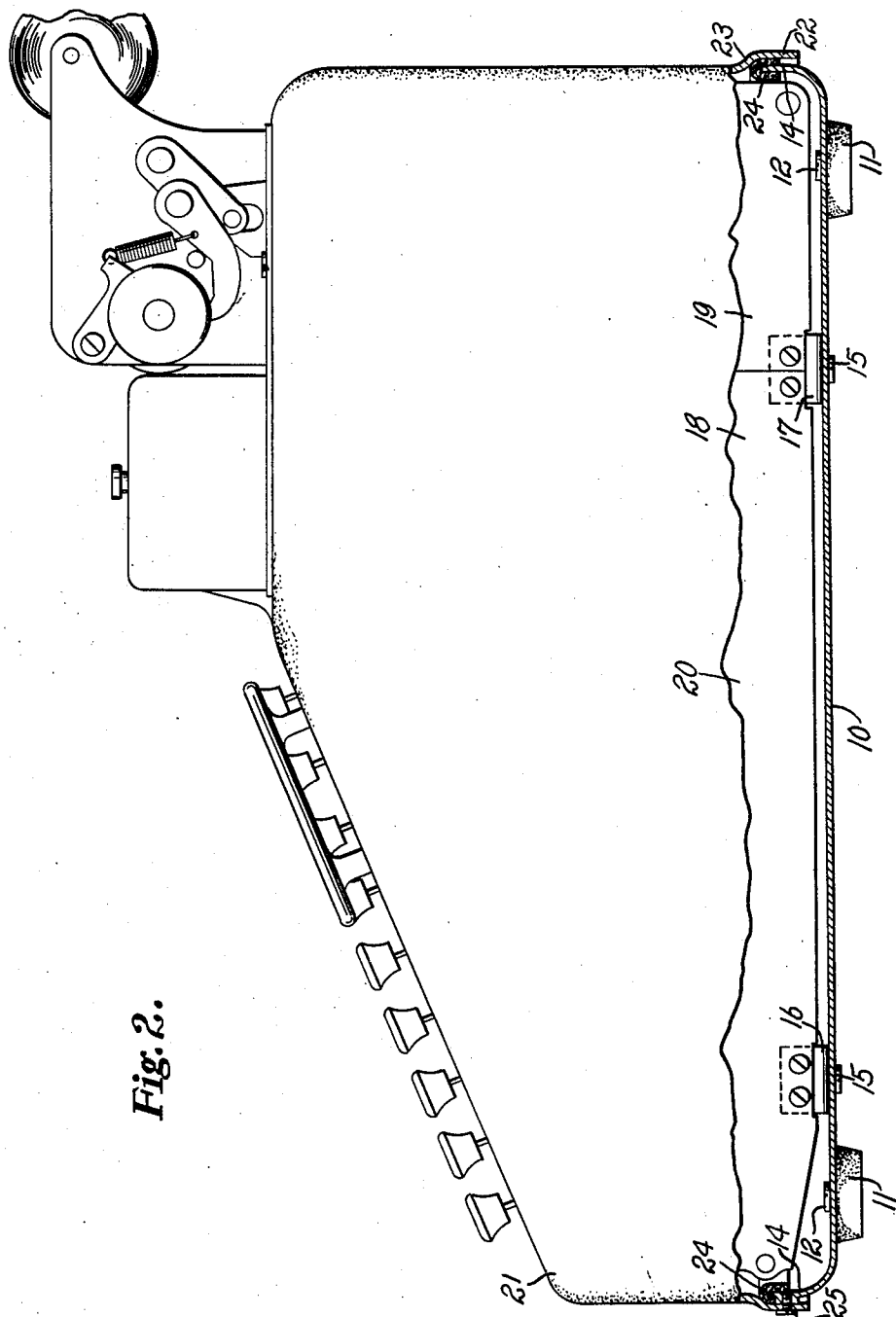


Fig. 2.

INVENTOR

INVENTOR
Kathleen H. Norton et al. Allen A. Norton, dec'd
Reitor, Hubben, Davis, & Macaulay
 ATTORNEYS

UNITED STATES PATENT OFFICE

ALLEN A. HORTON, DECEASED, LATE OF DETROIT, MICHIGAN, BY KATHLEEN H. HORTON, OF PLYMOUTH, MICHIGAN, AND DETROIT TRUST COMPANY, SUCCESSOR TO DETROIT AND SECURITY TRUST COMPANY, EXECUTORS, OF DETROIT, MICHIGAN, ASSIGNORS TO BURROUGHS ADDING MACHINE COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN

SUPPORT AND HOUSING FOR CALCULATING MACHINES

Original application filed January 29, 1926, Serial No. 84,616. Divided and this application filed March 2, 1931. Serial No. 519,612.

This invention relates to a support and housing for calculating machines. The present application is a division of copending application, Serial No. 84,616, filed January 29, 1926.

Calculating machines usually have a support provided with feet adapted to rest on a stand or table on which the machine is mounted. A quite general construction is to have the feet on the main frame of the machine. The open sides of the framework are covered by side pieces of glass or other material.

The present invention contemplates enclosing the entire machine in a metal casing which also acts as a support. In addition, the casing acts as a base pan to catch oil and dirt from the mechanism of the calculating machine. Provision is made for deadening the noise of the machine that might otherwise be magnified by the sounding board action of a metal casing completely surrounding the machine.

The object of the invention is to provide an improved support and housing for calculating machines.

Other and more particular objects will appear from the following specification and drawings.

An embodiment of the invention is shown in the accompanying drawings in which,—

Figure 1 is a perspective view of the support and housing with the two parts separated.

Fig. 2 is a side elevation and partial section of the support and housing showing a calculating machine mounted in it.

The housing has a flat bottom portion 10 supported by four rubber feet 11 held in position by screws 12. The sides 13 and the ends 14 of this bottom portion extend upwardly for a substantial distance to form portions of the sides and ends of the housing.

The bottom 10 of the housing has suitable openings for screws 15 which are inserted through the openings and screw-threaded into the U-shaped feet 16 and 17 that are attached to the side plates 18 and 19 of the calculating machine 20 as shown in Fig. 2. The calculating machine is thus held firmly on the bottom portion 10 of the housing, but

can be quickly removed therefrom by simply taking out the screws 15. The upstanding sides 13 and ends 14 combine with the flat bottom 10 to make a base pan or bottom for catching dirt and oil that may drip from the calculating machine.

The upper portion of the housing comprises a metal casing 21 adapted to fit over the calculating machine leaving only the keyboard exposed. This upper part of the housing has a flange 22 around its bottom joined to the main body of the upper housing by a shoulder 23. Positioned on the top edge of the sides 13 and ends 14 of the bottom portion 10 of the housing is a rubber strip 24 of U-shaped cross section preferably held in place by its own resiliency. The shoulder on the upper portion 21 of the housing is shaped so that when this upper portion is fitted down over the calculating machine the shoulder will rest on the rubber strip 24. The upper casing 21 is then locked in place on the lower portion by means of screws 25 screw threaded into the holes 26 (Fig. 1). When this housing is assembled with a calculating machine the calculating machine is entirely enclosed except for the keyboard and a few openings for operating parts. Ordinarily, a metal casing that entirely surrounds a calculating machine greatly increases the noise of the machine owing to the soundboard effect caused by the casing. However, with the above construction including the sound deadening strips between the upper and lower portions this soundboard effect is eliminated and the noise that otherwise would occur is deadened. At the same time the upper portion of the casing may be readily removed. The construction is simple yet effective. When the upper portion of the housing is removed the lower portion remains attached to the calculating machine and is in place to catch any oil or dirt falling from the machine even though the main portion of the housing may have been removed. On the other hand, if it is desired to remove the machine from the bottom portion, that can easily be done by simply taking out the screws 15.

What is claimed is:

1. A support and casing for calculating machines comprising a base pan supporting a calculating machine, said base pan having
5 relatively short upstanding sides and ends, a sound deadening strip positioned on the edges of said sides and ends, and a casing enclosing said calculating machine and resting on said sound deadening strip.
- 10 2. A support and housing for calculating machines comprising a base portion for supporting a calculating machine, said base portion having upstanding sides and ends, a sound deadening strip positioned on said
15 sides and ends, and an upper portion adapted to fit over said calculating machine and surround the same, said upper portion having a shouldered flange on its lower edges adapted to rest on said sound deadening strip.
- 20 3. A support and housing for calculating machines comprising a base portion adapted to support a calculating machine, said base portion having upstanding sides and ends, a
25 sound deadening strip of U-shaped cross section fitted over the upper edges of said sides and ends, and an upper portion adapted to fit over a calculating machine and provided with a shouldered flange on its lower edge
30 adapted to rest on said sound deadening strip.
4. In combination, a base pan having upstanding edges and sides, a calculating machine resting on and attached to said base pan, a sound deadening strip on said edges and
35 sides of the base pan, and a housing surrounding said calculating machine and resting on said sound deadening strip.
5. In combination, a base pan having relatively short upstanding ends and sides, a calculating machine resting on and attached to
40 said base pan, a sound deadening strip on the edges of said ends and sides of said base pan, and a casing surrounding said calculating machine, said casing having a shouldered
45 flange on its lower edge extending outside of the ends and sides of said base pan with the shoulder of said flange resting on said sound deadening strip.

In witness whereof, we have signed our
50 names this 18th day of February, 1931.

KATHLEEN H. HORTON,

DETROIT TRUST COMPANY,

[L. S.] Successor to Detroit and Security Trust Company,

By SELDEN B. DAUME,

55 Vice President,

JOHN J. SPOUTZ,

Assistant Secretary,

Executors of Allen A. Horton, Deceased.