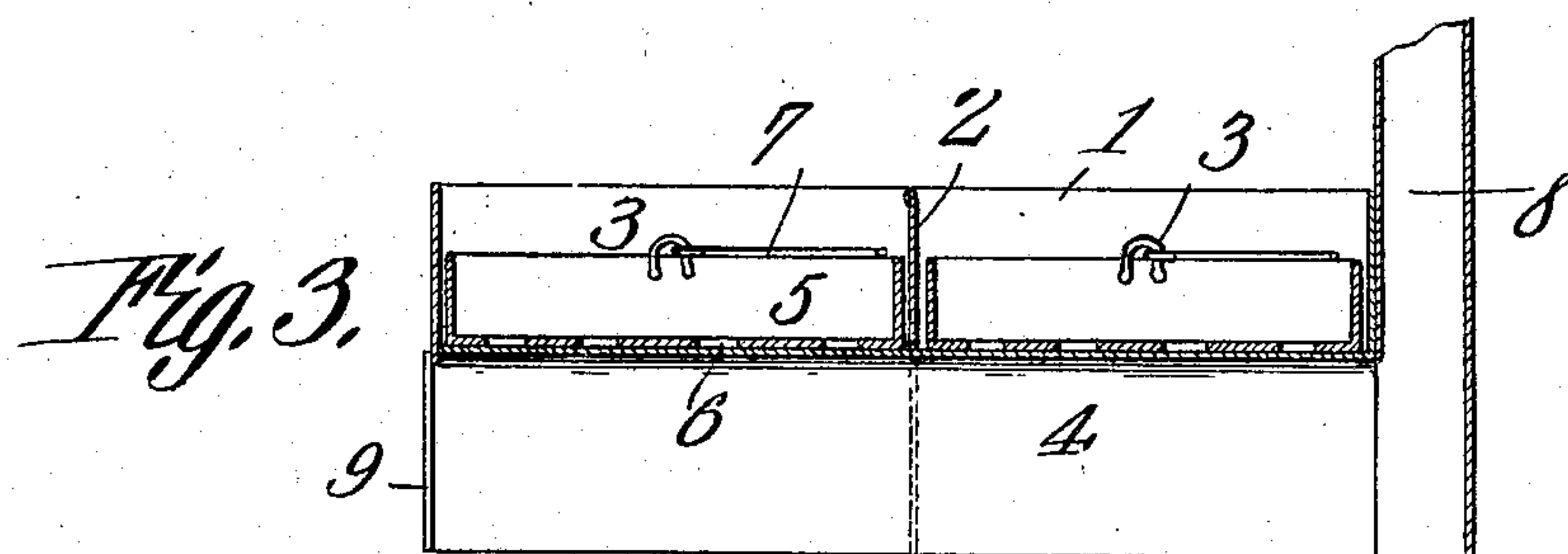
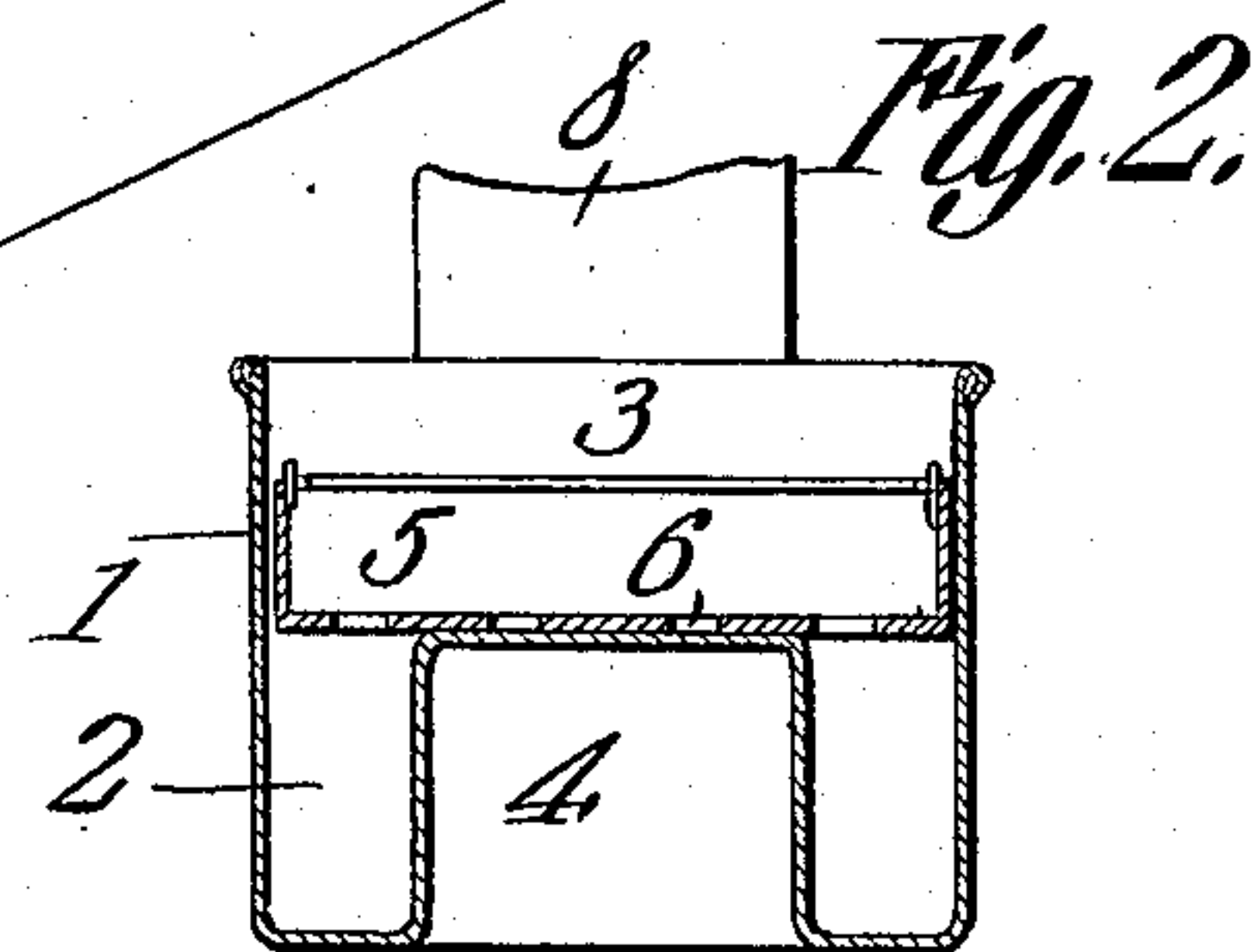
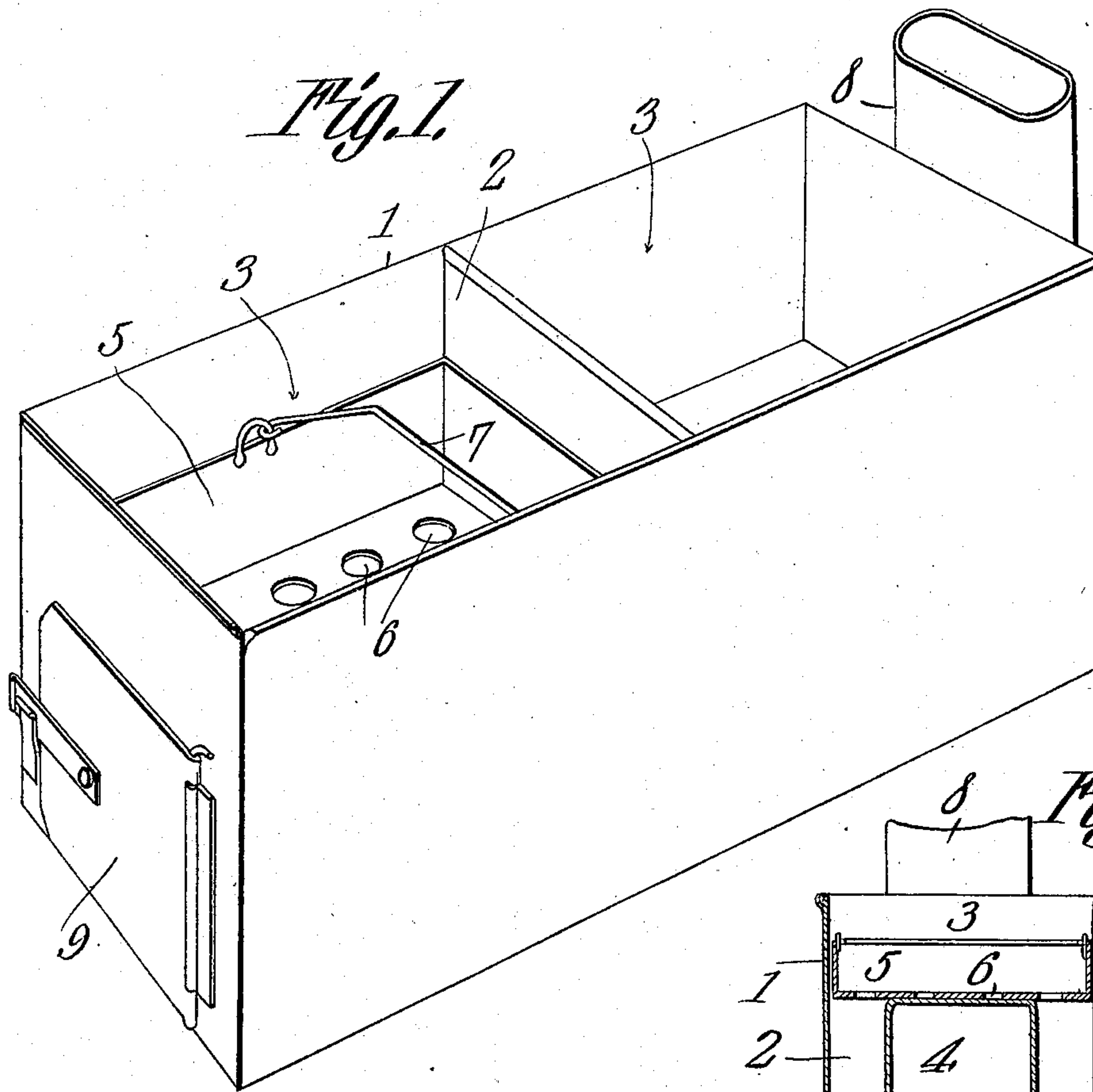


C. C. MAY.
CANNING FURNACE.
APPLICATION FILED OCT. 15, 1908.

915,984.

Patented Mar. 23, 1909.



Witnesses

E. J. Stewart
C. Davis

Inventor

Callie C. May.

By

C. A. Snow & Co.
Attorneys

UNITED STATES PATENT OFFICE.

CALLIE C. MAY, OF JEWETT, TEXAS.

CANNING-FURNACE.

No. 915,984.

Specification of Letters Patent.

Patented March 23, 1909.

Application filed October 15, 1908. Serial No. 457,881.

To all whom it may concern:

Be it known that I, CALLIE C. MAY, a citizen of the United States, residing at Jewett, in the county of Leon and State of Texas, have invented a new and useful Canning-Furnace, of which the following is a specification.

This invention has relation to canning furnaces and it consists of the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide a furnace of the character indicated which may be readily transported from place to place and set up in operative position upon the surface of the ground without requiring the necessity of a foundation or other permanent fixture.

The furnace includes a tank or a series of tanks, in the lower portion or portions of which is formed up a flue or fire-box which communicates at its end with a vertically disposed chimney, which is formed as a permanent portion of the tank or series of tanks. The lower side of the fire-box or flue is open and is adapted to be closed by the surface of the ground when the furnace is set in position thereon. The flue or fire-box is provided at its forward end with a door of usual construction. The tank is divided by transversely disposed partitions into a series of canning compartments, each of which is adapted to receive a pan, which, in turn, is adapted to rest at its bottom upon the top of the flue or fire-box, and space is provided at the sides of said flue or fire-box and within the tank for the reception of water, and, by such an arrangement, ample area is provided for quickly bringing the water to the proper temperature to facilitate the process of canning.

In the accompanying drawings:—Figure 1 is a perspective view of the furnace. Fig. 2 is a transverse sectional view of the same. Fig. 3 is a longitudinal sectional view of the same.

The furnace consists of the tank 1, which is divided by a partition, or a series of partitions, 2, into the compartments 3. The flue or fire-box 4 is formed up in the bottom of the tank 1 and extends longitudinally throughout the same and has its side-walls spaced from the lateral sides of the said tank. The lower portions of the partition 2 project down into the space between the sides of the flue 4 and the sides of the tank 1 and completely

separate one compartment 3 from the adjacent compartments whereby the said compartments may contain different quantities of water. The flue or fire-box 4 is preferably rectangular in transverse section and its upper side occupies a plane located at a lower level than the upper edges of the tank 1 and the partitions 2 and forms a rest for the pans 5. Each said pan 5 is adapted to fit snugly within the upper portion of a compartment 3 and is provided in its bottom with perforations 6, and is also provided with a bail handle 7.

The lower side of the flue or fire-box 4 is open and is adapted to be closed by the surface of the ground when the furnace is placed in position thereon. The rear end of the said flue or fire-box 4 communicates with the lower portion of the chimney 8, which is attached to the end of the tank 1, and the forward end of the tank 1 is provided with a door 9, which is adapted to close the forward end of the flue or fire-box 4. By such arrangement it will be observed that the major portion of the flue or fire-box 4 is located within the body of the tank 1, and, by reason of the fact that the sides of the said flue or fire-box are spaced from the lateral sides of the said tank, ample area of heating surface is provided whereby the water contained within the compartments of the tank may be quickly brought to the proper temperature to facilitate the process of canning. It will also be seen that the furnace as an entirety may be readily transported from place to place and may be quickly placed in proper position upon the surface of the ground without requiring a foundation or other fixture of a permanent nature as a support.

During the process of canning the cans (not shown) are arranged in the pans 5, which are placed in the compartments 3, and rest upon the top of the flue or fire-box 4, with their lower portions immersed in the water contained in the compartments.

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

A furnace comprising a tank having a flue formed up in its bottom with its sides spaced from the lateral sides of the tank, a chimney located at the end of the tank and communicating with the end of the flue, the top of said flue forming a pan support which is elevated with relation to the bottom upon which

the tank rests, a partition located in the tank
and extending down along the flue, to the
bottom of the tank, said partition being
secured at its edges to the sides and bottom
5 of the tank, and to the sides and top of the
flue, and forming a means for bracing the
sides and top of the flue upon the bottom
and sides of the tank.

In testimony that I claim the foregoing as
my own, I have hereto affixed my signature 10
in the presence of two witnesses.

CALLIE C. MAY.

Witnesses:

J. W. WALTMIRE,
W. A. DEJEM.