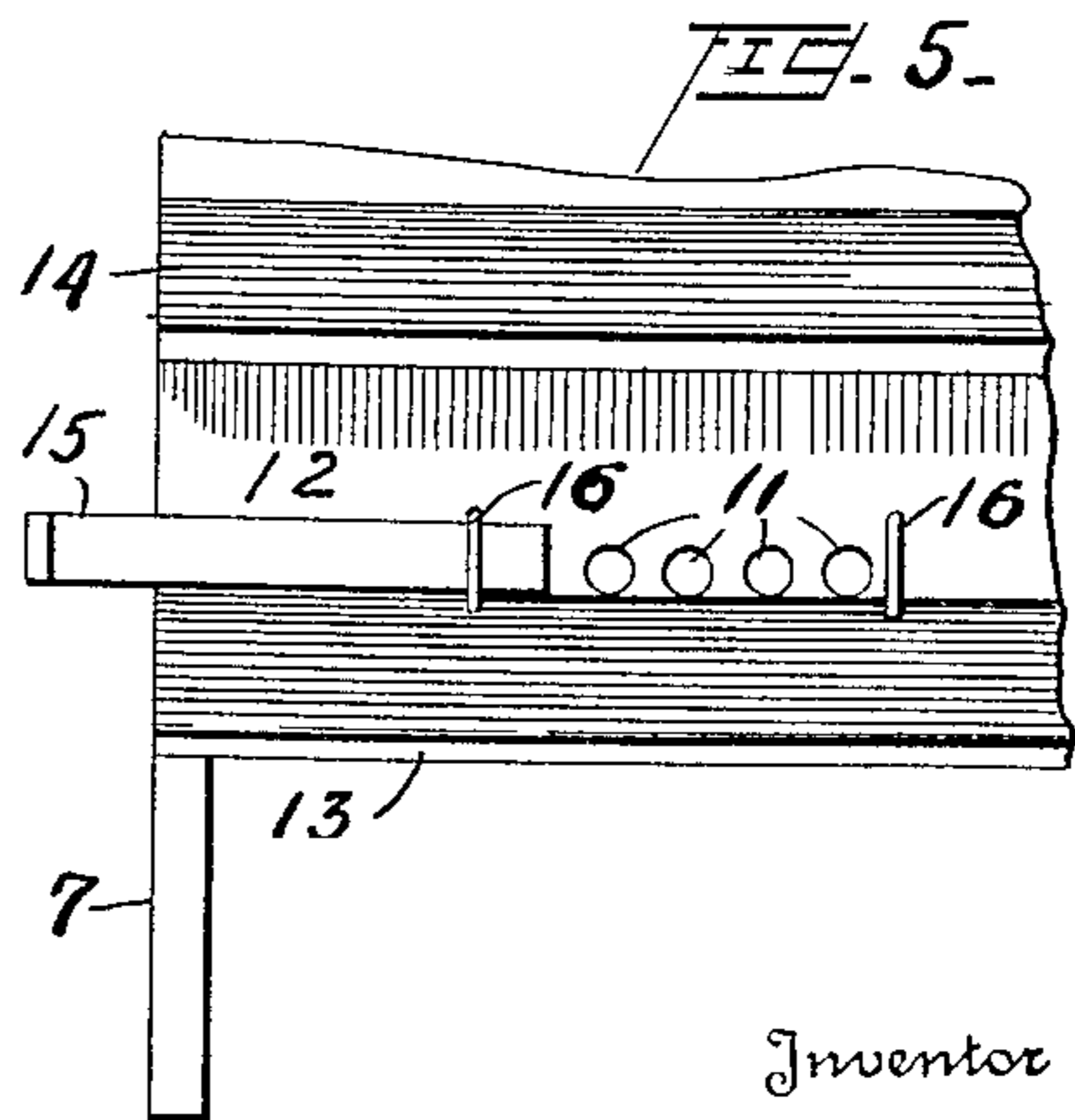
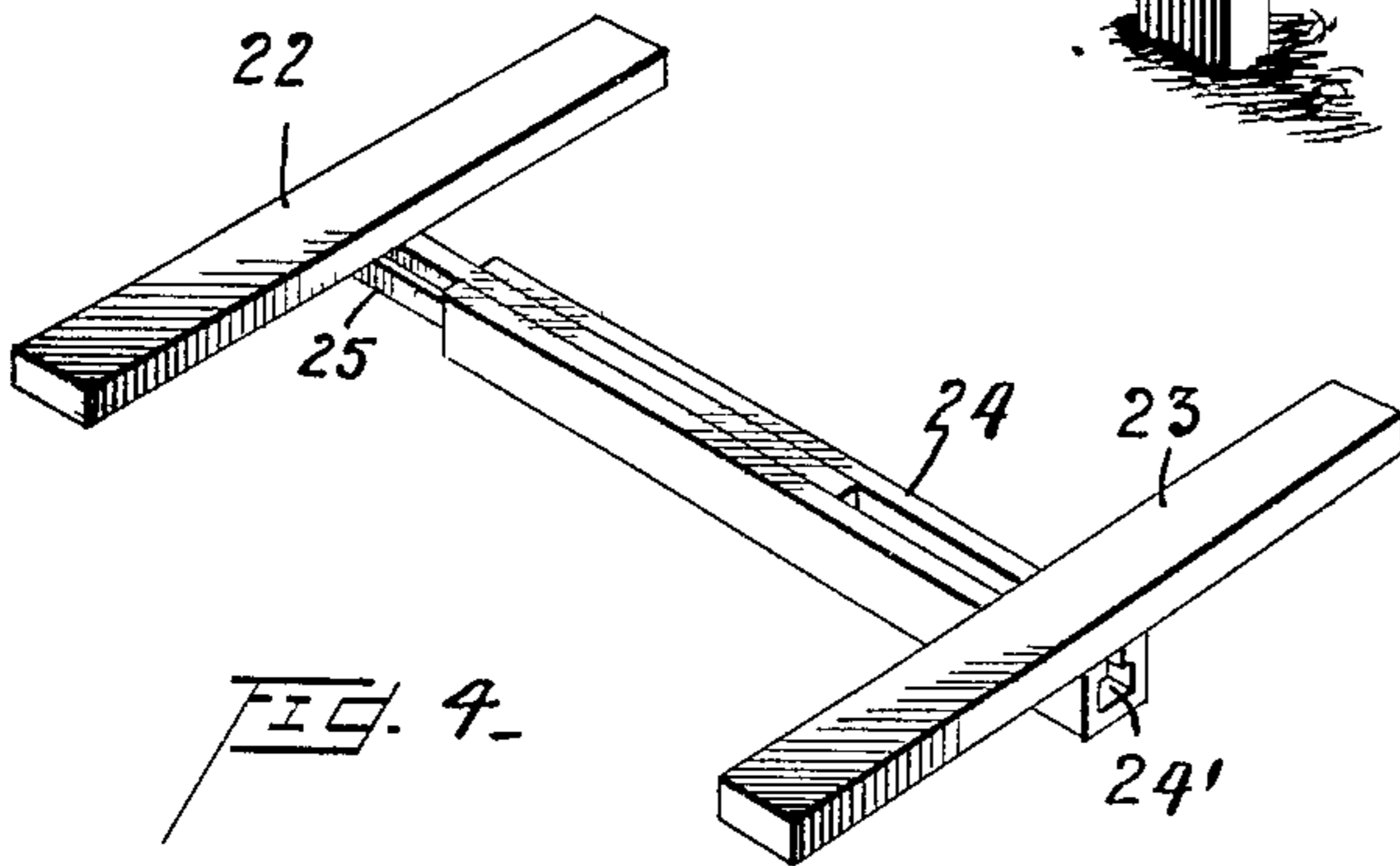
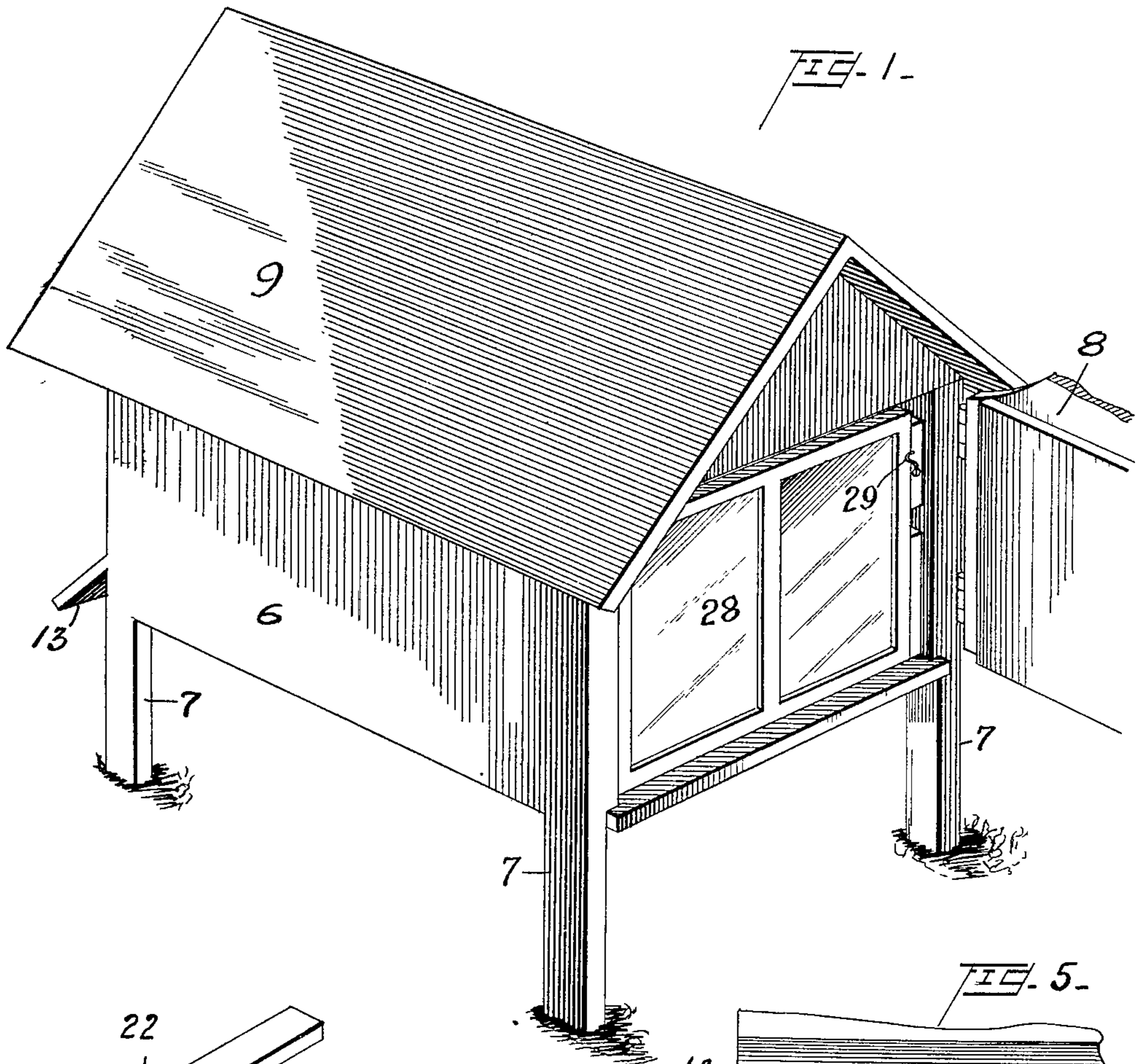


R. KARP NSKI.  
BEEHIVE.  
APPLICATION FILED SEPT. 9, 1919.

1,336,523.

Patented Apr. 13, 1920.  
2 SHEETS—SHEET 1.



Inventor

R. Karpinski

By

A. M. Wilson  
Attorney

R. KARPINSKI.

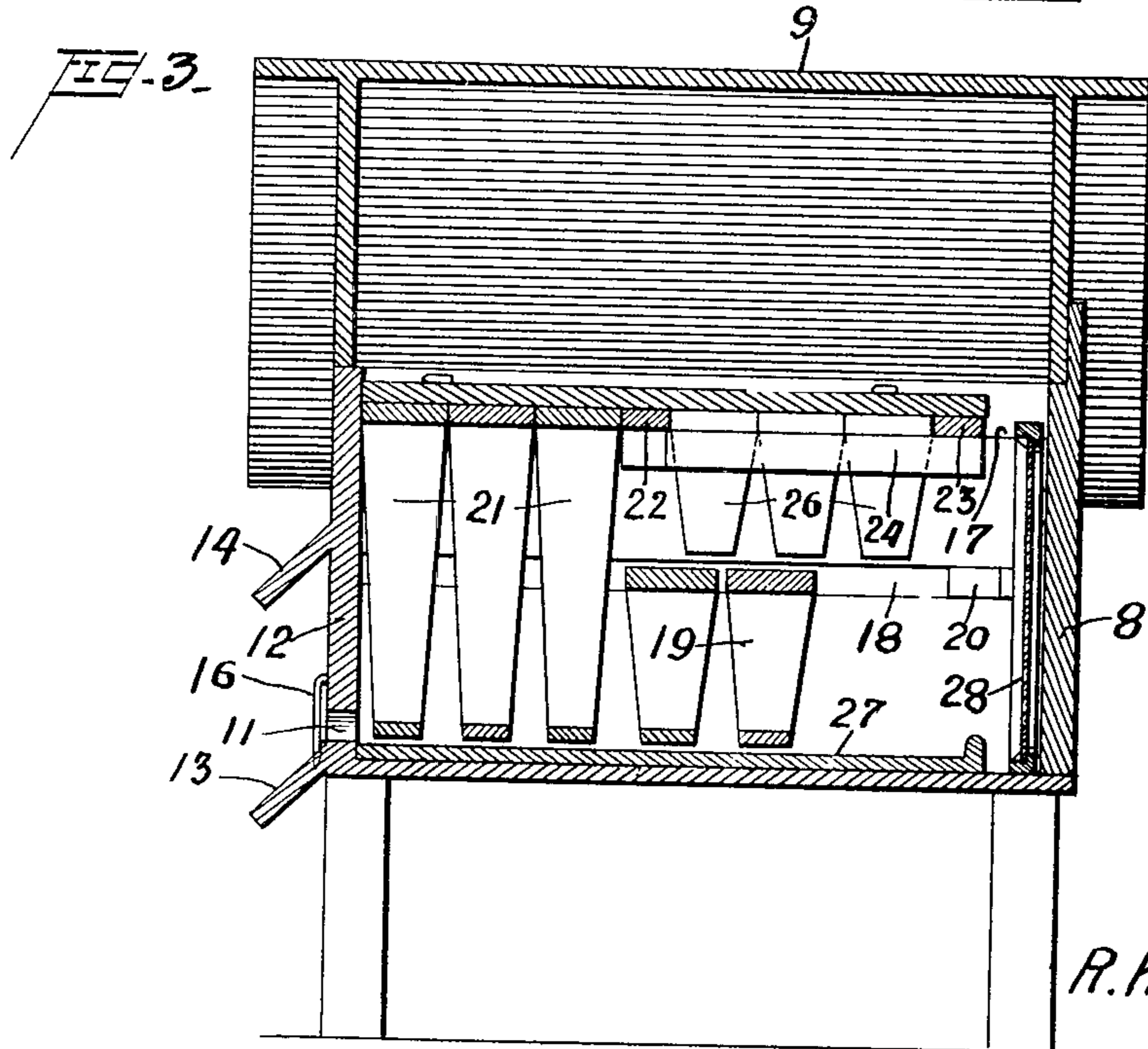
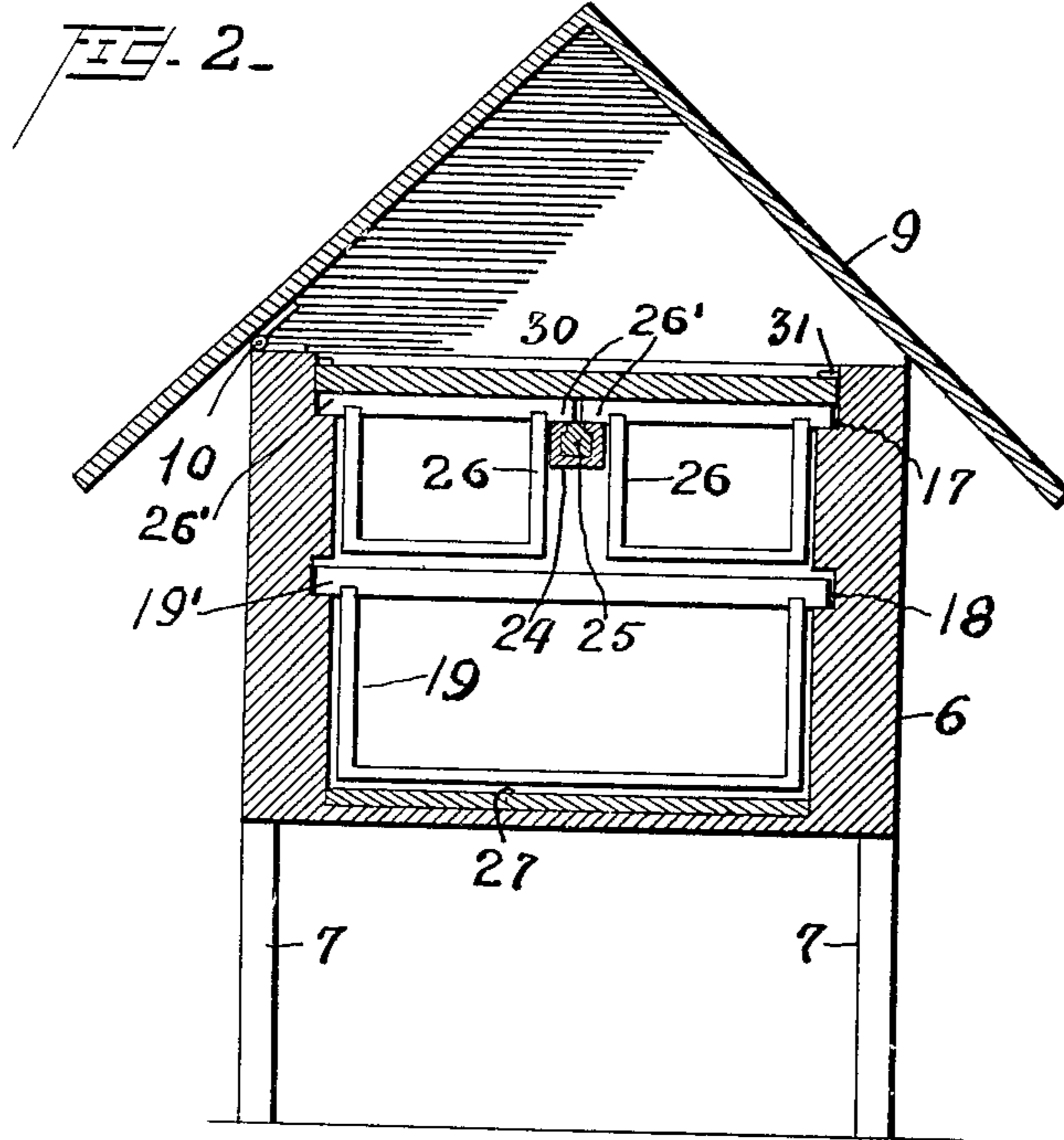
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By

A. M. Wilson

Attorney

# UNITED STATES PATENT OFFICE.

ROMAN KARPINSKI, OF EXPORT, PENNSYLVANIA.

BEEHIVE.

1,336,523.

Specification of Letters Patent.

Patented Apr. 13, 1920.

Application filed September 9, 1919. Serial No. 322,710.

*To all whom it may concern:*

Be it known that I, ROMAN KARPINSKI, a citizen of the United States of America, residing at Export, in the county of West moreland and State of Pennsylvania, have invented certain new and useful Improvements in Beehives, of which the following is a specification.

The primary object of the present invention resides in the provision of a bee hive constructed and arranged to support twenty combs of relatively different sizes.

A further object of the invention is to provide a bee hive embodying bee entrance openings at one end thereof and a swinging door closure at the other end, and also a hinged cover whereby access may be had to the interior of the bee hive at either the end or top thereof.

With the above and other objects in view, the present invention consists in the novel form, combination and arrangement of parts herein more fully described and shown in the accompanying drawings and wherein like reference characters indicate similar parts throughout the several views.

In the drawings,

Figure 1 is a perspective view of a bee hive constructed in accordance with the present invention, the end door being open to illustrate the window closure at the door end,

Fig. 2 is a cross sectional view through the bee hive casing showing the hinged cover and the different sized combs with the cover plate in operative position over the upper combs,

Fig. 3 is a longitudinal sectional view showing the sliding bottom plate and the combs suspended thereabove,

Fig. 4 is a perspective view of the rack for supporting the smallest combs, removed from the casing, and

Fig. 5 is a detail fragmentary view showing the slide controlled entrance openings to the bee hive.

Briefly described, the present invention aims to provide a bee hive in the form of a casing having a substantially rectangular body portion with a hinged roof section and a hinged end door whereby access may be had to the interior of the casing through the upper side thereof and also the end. The interior faces of the side walls are longitudinally grooved for supporting honey combs of different sizes while a rack is slidably

and extensibly received in said grooves for supporting smaller honey combs. A sliding tray is received on the bottom of the casing and is adapted to receive any refuse falling from the combs and which is removable through the door controlled opening in the end of the casing for purposes of cleaning the same, a window being positioned in the casing inwardly of the door to permit a visual inspection of the interior of the bee hive upon opening the door, while the bee entrance openings are at the opposite end of the casing. In cold weather, a cover plate is positioned above the combs and suitably secured in position to protect the same at the upper ends thereof.

Referring more in detail to the accompanying drawings, there is illustrated a bee hive in the form of a housing or casing embodying a rectangular body portion supported upon corner legs, the same having an opening in one end that is closed by a hinged door while the cover which is of gable formation is hinged to one side of the body portion as at 10 and has overhanging eaves at each side as is clearly illustrated in Figs. 1 and 2. The bees enter the casing at the end opposite the closure door and through openings 11 are arranged in the opposite end wall 12 at the lower end thereof and above the bee receiving platform 13, a shield 14 overlying the openings to protect the same. The entrance openings 11 may be closed if desired by the slide 15 passing through the guides 16.

As illustrated in Figs. 2 and 3, the inner faces of the side walls of the casing are provided with corresponding sets of grooves 17 and 18 adapted to support the honey combs of different heights, the honey combs 19 having side flanges 19' that are slidably received in the opposite grooves 18, the forward ends of the grooves being adapted for the reception of sliding keys 20 to close the ends of said grooves and retain the combs 19 in position therein. As illustrated in Fig. 3, relatively larger combs 21 having end flanges at the upper ends thereof similar to the flanges 19' are slidably received in the grooves 17, and extend downwardly substantially to the bottom of the casing 6 and they are of a size substantially twice as large as the combs 19. In order to provide a support for the honey combs smaller than the combs 19 and 21 and substantially of half the width thereof, there is provided

a rack illustrated in detail in Fig. 4 embodying cross bars 22 and 23 slidably supported at their ends in the grooves 17, the bar 23 carrying an extension 24 projecting centrally therefrom at right angles and having a key slot 24' therein while a key shaped extension 25 projecting centrally and at right angles from the cross bar 22 is slidably received in the slot 25 whereby the bars 22 and 23 are extensibly supported in the grooves. The smallest honey combs 26 have end flanges 26' at their upper ends slidably received in the grooves 17 and supported centrally of the casing upon the extensions 24 and 25 as clearly illustrated in Fig. 2.

A floor plate 27 is positioned within the casing 6 beneath the honey combs and is removable through the door controlled opening from the end of the casing, the window frame 28 being positioned in the open end of the casing inwardly of the door 8 and retained in position by the catches 29 which will permit a visual inspection of the interior of the bee hive when the door 8 is opened, but still prevent an escape of the bees at this point. In cold weather, it is desirable to shield the upper end of the combs to prevent unnecessary drafts and air descending from the upper end of the casing which is accomplished by the provision of a cover plate 30 resting upon the combs 21 and 26 and secured in position by the fastening devices 31 of any preferred construction.

From the above detailed description of the device, it is thought that the construction and operation thereof will at once be apparent, it being understood that an inspection of the interior of the bee hive may be readily had by opening the door 8 while the combs 19 may be positioned in the grooves 18 by removing the keys 20. The largest combs 21 may either be inserted through the front door opening or through the upper end of the hive when the cover 9 is elevated. Any desired number of little

combs 26 may be supported in the groove 17 and the rack above described and the distance between the bars 22 and 23 readily changed to clamp the combs therebetween while the cover plate 30 may be employed if desired, to close the upper end of the section 6 or may be removed to permit the free circulation of air above the combs into the cover 9.

While there is herein shown and described what is believed to be the preferred embodiment of the present invention, it is nevertheless to be understood that minor changes may be made in the novel form, combination and arrangement of parts without departing from the spirit and scope of the invention as claimed.

What is claimed as new is:

1. A bee hive comprising a casing, a hinged cover therefor, a door closing one end of said casing, a window positioned inwardly of said door, the opposite end of said casing having an entrance opening for the bees, the inner walls of said casing having opposite grooves, an extensible rack slidably positioned in said grooves and relatively small honey combs supported on said rack and extending into said grooves, said rack including cross bars and a connecting extension bar.

2. A bee hive comprising a casing, a hinged cover therefor, a door closing one end of said casing, a window positioned inwardly of said door, the opposite end of said casing having an entrance opening for the bees, the inner walls of said casing having opposite grooves, an extensible rack slidably positioned in said grooves and relatively small honey combs supported on said rack and extending into said grooves, said rack including cross bars and a connecting extension bar, the honey combs being supported on the extension bar of said rack.

In testimony whereof I affix my signature.

ROMAN KARPINSKI.