

C. G. SCHAMU.
BEEHIVE.
APPLICATION FILED OCT. 16, 1912.

1,100,847.

Patented June 23, 1914.

3 SHEETS-SHEET 1.

Fig. 1.

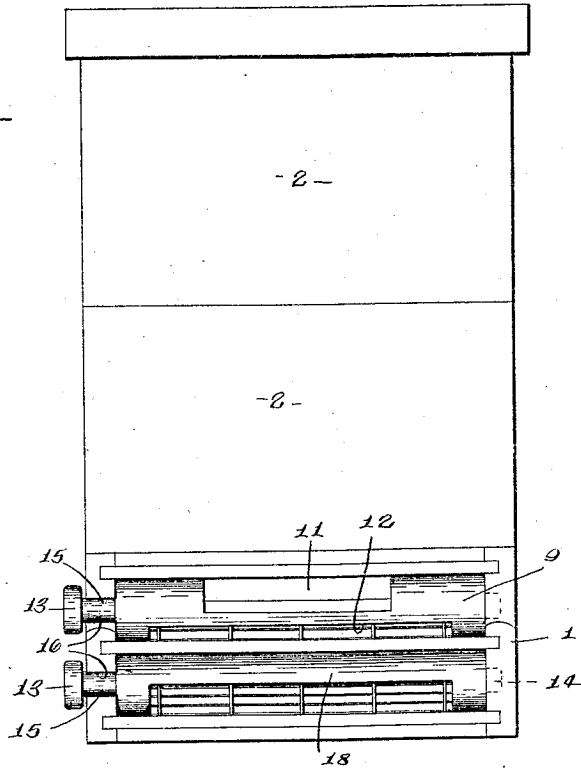
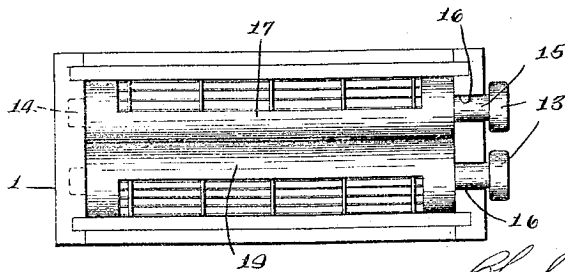


Fig. 2.



WITNESSES:

Chas. Young
L. M. Pearson

INVENTOR

Charles G. Schamu

BY

Parsons Hall & Bodell
ATTORNEYS

C. G. SCHAMU.
BEEHIVE.
APPLICATION FILED OCT. 16, 1912.

1,100,847.

Patented June 23, 1914.

3 SHEETS-SHEET 2.

Fig-3-

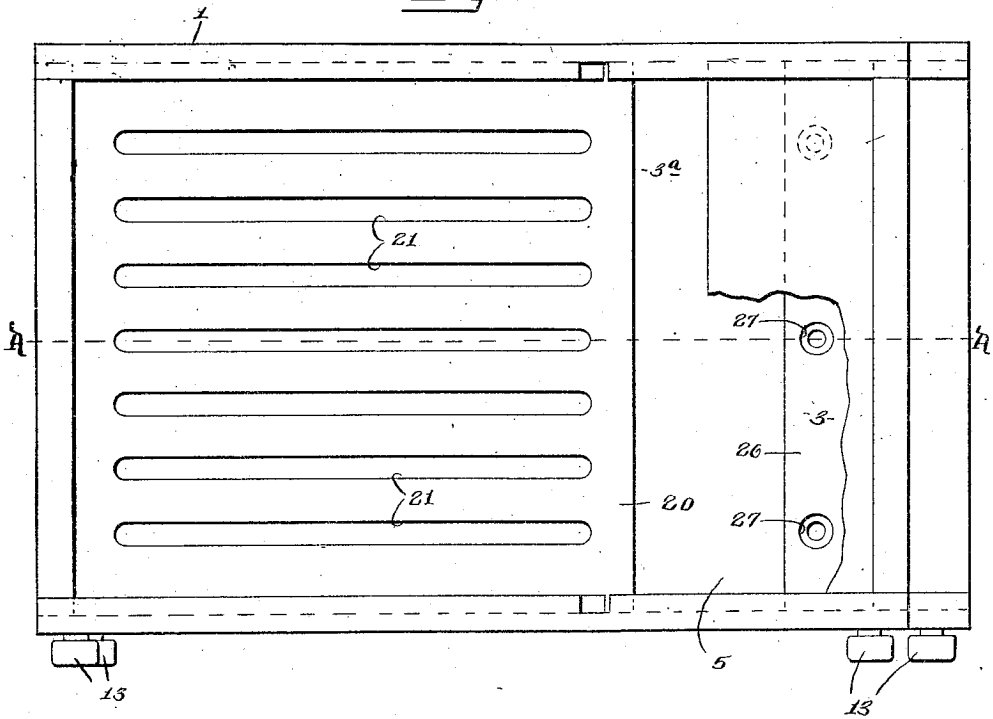
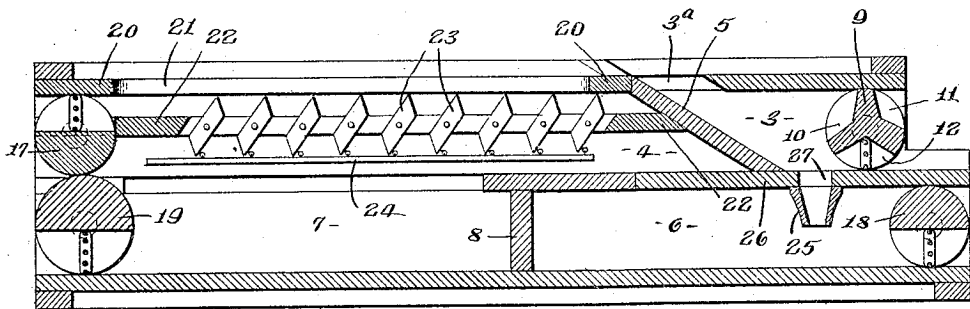


Fig-4.



WITNESSES:

Chas. H. Jones
L. M. Boston

INVENTOR

Charles G. Schamu

BY

Parsons, Rice & Bodee
ATTORNEYS

C. G. SCHAMU.

BEEHIVE.

APPLICATION FILED OCT. 16, 1912.

1,100,847.

Patented June 23, 1914.

3 SHEETS—SHEET 3.

Fig-5-

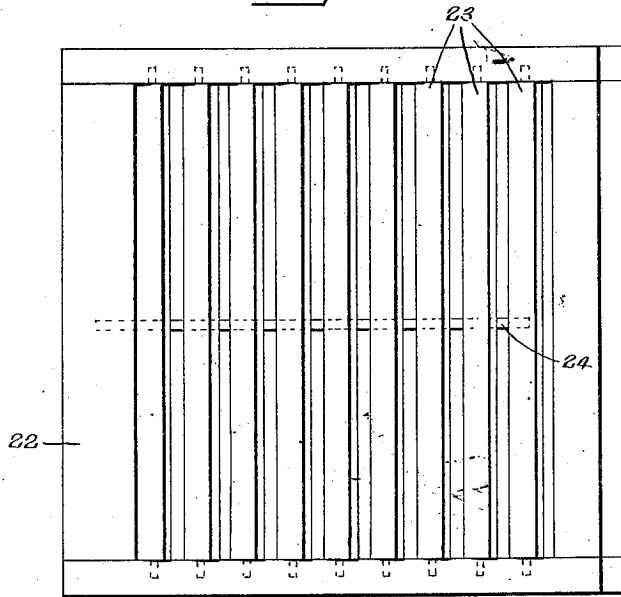


Fig-6-

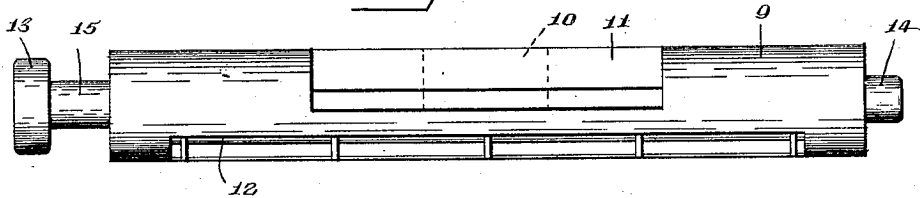
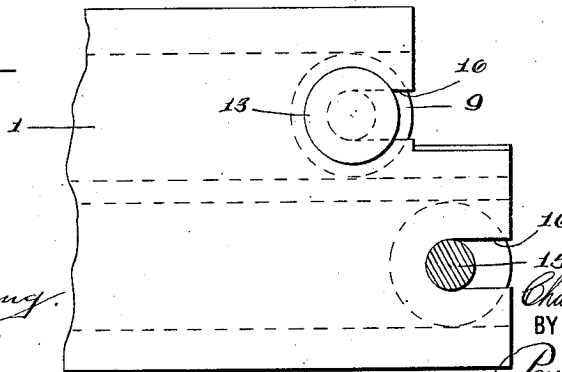


Fig-7-



WITNESSES:

Chas. H. Young
L. M. Burton

INVENTOR

Charles G. Schamu

BY

Parsons & Bodger
ATTORNEYS

C. G. SCHAMU.

BEEHIVE.

APPLICATION FILED OCT. 16, 1912.

1,100,847.

Patented June 23, 1914.

3 SHEETS—SHEET 3.

Fig-5-

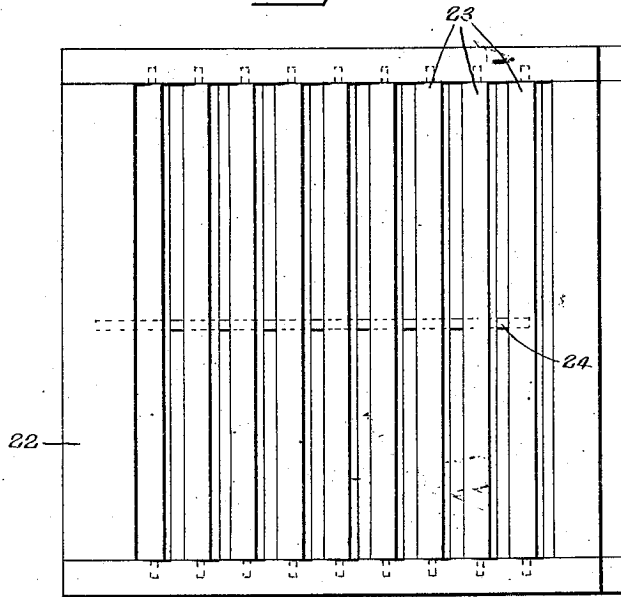


Fig-6-

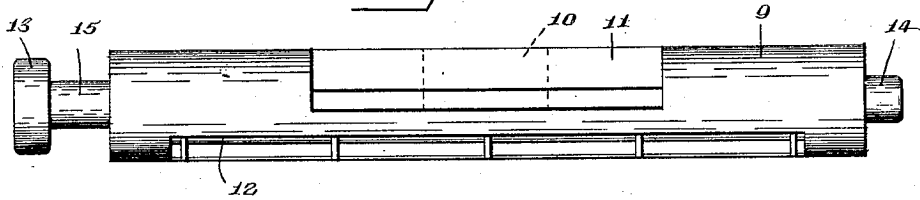
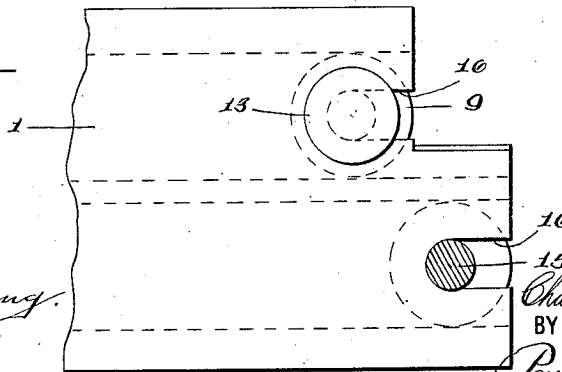


Fig-7-



WITNESSES:

Chas. H. Young
L. M. Burton

INVENTOR

Charles G. Schamu

BY

Parsons & Bodger
ATTORNEYS

pose of ventilation or for permitting the bees to have access to the chamber 7, or the partition 22 may be removed entirely for these purposes. The partition 22 also permits the ready removal of bees which die during the dormant season, the dead falling through the slots 21 of the wall 20 on the partition 22 and hence do not accumulate in the hive box. The location of this partition 22 beneath the top wall 20 is particularly advantageous in that the partition is out of the space in which the bees work or store honey and hence will not be sealed by the bees and made hard to remove. As will be understood by those skilled in the art, the top of the bottom boards is sealed and made tight by the bees.

The chambers 3 and 6 are connected by drone traps here shown as a plurality of truncated cones 25 depending from the wall 26 separating said chambers, each cone having a conical passage communicating with an opening 27 in the wall 26 and the walls of the passage and the periphery of the cone being smooth so that after a drone has passed through the cone into the chamber 6, he cannot return to the chamber 3.

In operation, all the gates or rollers may be turned to closed position, or the main gate 9 left in one of its open positions, or the roller 19 may be turned to a closed position and the shutters 23 closed, and the gate 17 turned to open position so that the hive will have a plurality of entrance and exit passages for the workers, or the gate 19 may be removed bodily and food placed in the chamber 7 at certain seasons of the year, and the gate again placed in position.

The gate 18 is primarily for the purpose of permitting the egress of workers in case any should find their way through the drone trap into the chamber 6, and is removable for permitting the removal of the drones.

When feeding the bees, the rollers 17, 18 and 19 are turned to closed position so as to reduce the number of "robber" entrances, and the main gate 9 opened or closed as desired, and the drone traps closed with plugs, as corks, so that the workers will not in their eagerness to get out of the hive, fall through the drone traps and perish.

This hive is particularly advantageous in that it can be readily and quickly adapted to all conditions and changes in bee life; and can be provided with ample egress and entrance openings for the workers without permitting the escape of the drones, and further, in that the drones can be readily removed and the gates can be adjusted so that the hive will have the proper amount of ventilation.

What I claim is:

1. A beehive having upper and lower chambers, a passage connecting the chambers, and a drone trap comprising a trun-

ated cone depending from the wall separating the chambers and having a conical passage alined with the former passage, the walls of the passage and the periphery of the cone being smooth, substantially as and for the purpose described. 70

2. A beehive having an entrance and exit opening for the bees, and a drone trap arranged near and in the rear of such opening, substantially as and for the purpose specified. 75

3. A beehive having an elongated entrance and exit opening for the bees, and a plurality of drone trap passages located near and in the rear of said openings, the passages having smooth conical walls, substantially as and for the purpose set forth. 80

4. A beehive comprising a bottom board having upper and lower chambers, the upper chamber being formed with an entrance and exit opening, and a passage connecting the chambers in the rear of said opening, and a drone trap comprising an inverted truncated cone depending from the wall separating the chambers, and having a conical passage alined with the former passage, the wall of the latter passage and the periphery of the cone being smooth, substantially as and for the purpose described. 85

5. A beehive comprising a bottom board having two chambers, one being formed with an entrance and exit opening constructed to permit egress and entrance of the workers and prevent egress of the drones and queen, and the other being also formed with an opening constructed to permit egress and entrance of the workers and prevent egress of the drones and queen, and a drone trap passage between said chambers, substantially as specified. 90

6. A bottom board for bee hives formed with a compartment and a transverse partition in the compartment, including a movable shutter operable for establishing and shutting off communication with the hive box, substantially as and for the purpose set forth. 95

7. A bottom board for bee hives formed with a compartment and a transverse partition in the compartment including a plurality of shutters movable into and out of position to cooperate with each other to entirely close communication with the hive box, or form a plurality of openings for establishing communication to the hive box, and means for operating the shutters, substantially as and for the purpose described. 100

8. A bottom board for beehives formed with a compartment, and a transverse partition including a frame and a movable shutter carried by the frame for establishing and shutting off communication to the hive box, substantially as and for the purpose set forth. 105

9. A bottom board for beehives formed 110

with a compartment, and a transverse partition including a frame having an opening, and a plurality of shutters movable into position to cooperate with each other and entirely close the opening or form a plurality of openings for shutting off and establishing communication to the hive boxes, substantially as and for the purpose described.

10. A bottom board for beehives formed with a compartment, and a transverse partition including a frame and a movable shutter carried by the frame, the partition being removable as a unit, substantially as and for the purpose specified.

11. A bottom board for beehives, the bottom board being provided with a top wall having openings therethrough for the bees, and a horizontal slide below the top wall, substantially as and for the purpose set forth.

12. A bottom board for beehives, the bottom board being formed with openings in its top wall and a slide located below said top wall and removable from the bottom board, substantially as and for the purpose described.

13. A bottom board for beehives, the bottom board comprising upper and lower compartments, gates for the workers at opposite ends of the lower compartment, and at one end of the upper compartment, the gates being constructed to prevent egress of the drones and the queen, and a drone trap passage between the upper and lower compartments, substantially as and for the purpose specified.

14. A bottom board for beehives comprising upper and lower compartments, a gate at one end of the upper compartment, the top wall of the upper compartment being formed with openings for the bees, and the lower compartment being in communication with the upper compartment, and a slide located below said top wall and being removable by a sliding movement upon the removal of the gate, substantially as and for the purpose set forth.

15. A beehive comprising a base board having upper and lower compartments, each compartment being divided into front and rear chambers, the front and rear chambers of the upper compartment communicating with the interior of the hive boxes, a

drone trap passage interposed between the upper and lower front chambers, and the upper and lower rear chambers being in communication with each other, and gates for controlling the passage of bees and air, the gates being located at the outer ends of the chambers, substantially as and for the purpose described.

16. A beehive comprising a base board having upper and lower compartments, each compartment being divided into front and rear chambers, the front and rear chambers of the upper compartment communicating with the interior of the hive boxes, a drone trap passage interposed between the upper and lower front chambers, and the upper and lower rear chambers being in communication with each other, adjustable gates controlling the passage of bees and air, the gates being located at the outer ends of the chambers, and means for closing communication between the lower rear chamber and the hive box through the upper rear chamber, substantially as and for the purpose specified.

17. A beehive comprising a base board having upper and lower compartments, the upper compartment being divided into front and rear chambers, and the upper compartment having gates at its opposite ends, and the lower compartment also having gates at its opposite ends, the gate of the front upper compartment being adjustable to permit the egress and entrance of all classes of bees, or of the workers and drones only, or of the workers only, or may be adjusted to a closed position, and the other gates being adjustable to closed position or to position to permit egress and entrance of the workers only, and drone trap passages between the upper and lower compartments, substantially as and for the purpose set forth.

In testimony whereof, I have hereunto signed my name in the presence of two attesting witnesses, at Syracuse, in the county of Onondaga, and in the State of New York, this 11th day of October, 1912.

CHARLES G. SCHAMU.

Witnesses:

L. M. BURTON,
S. DAVIS.