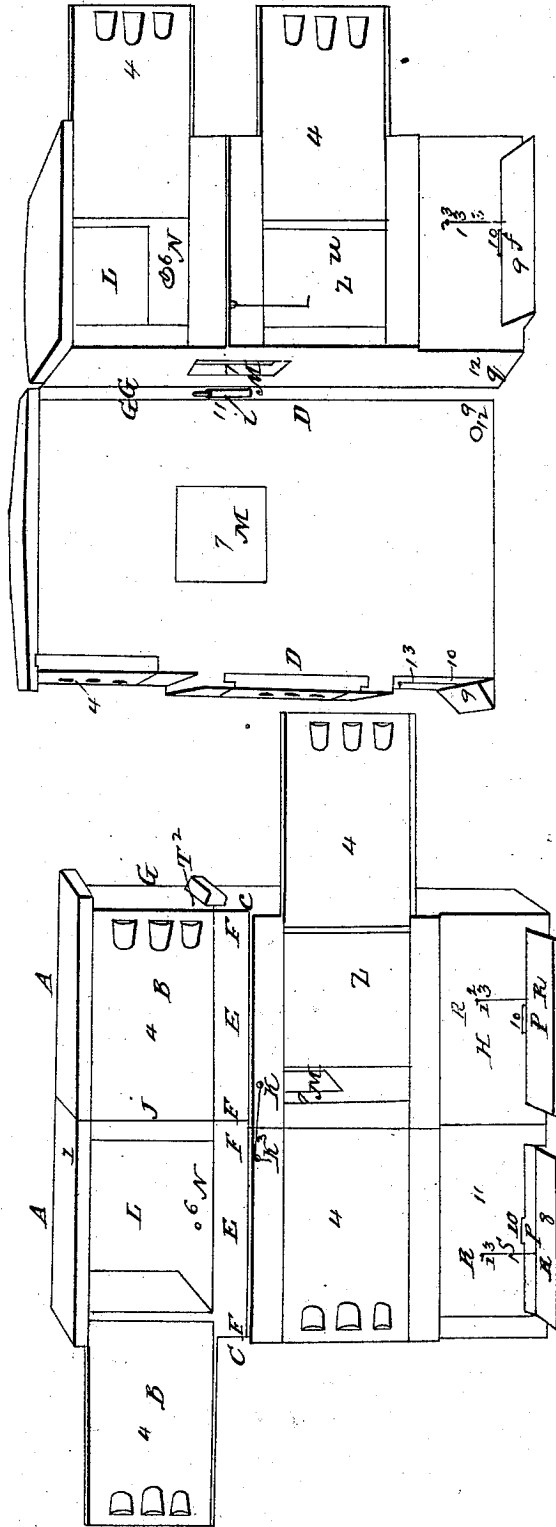


J. JONES.

Bee Hive.

No. 2,618.

Patented May 12, 1842.

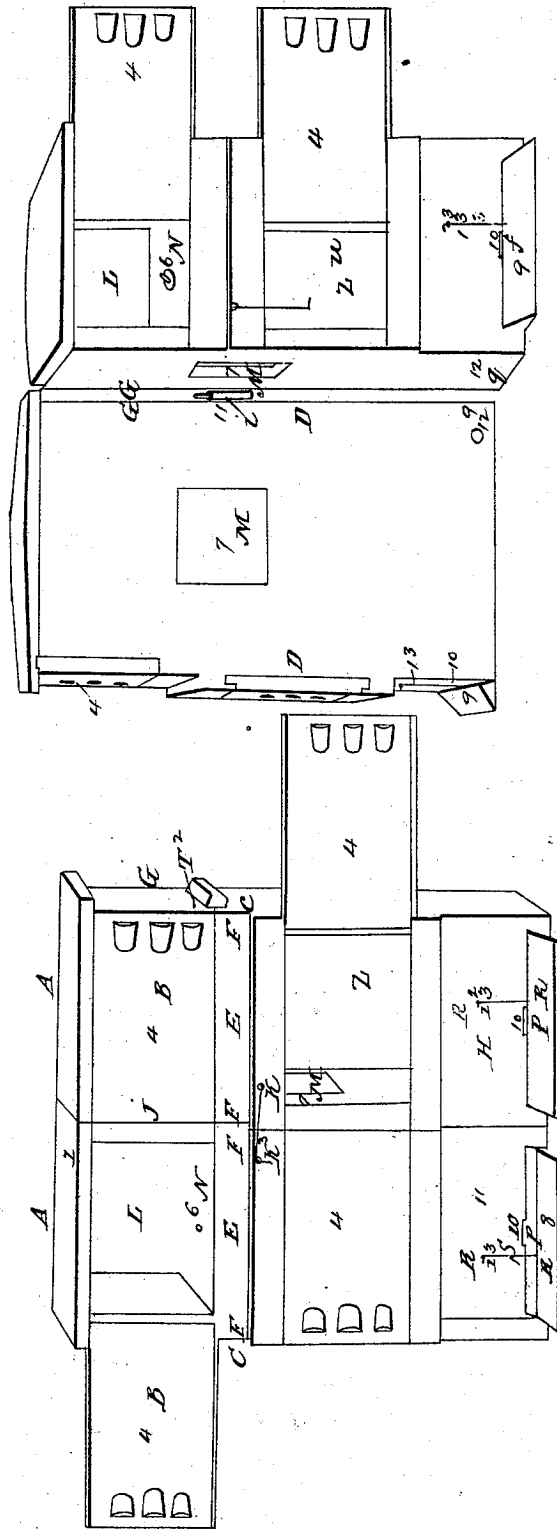


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back side. The length of the doors is nine and one half inches; their thickness is one inch, or less, as they must correspond with the thickness of the material which com-  
 5 poses the body of the hive. The doors are shown by the letters B, B. The whole width of the hive is nineteen inches; each half or compartment being nine and a half inches wide. The whole width of the hive is shown  
 10 by the letters C, C. The depth of the hive from front to rear; is twelve inches, and is shown by the letters D, D. The hive is composed of two equal compartments; so as to be taken apart laterally; separating the  
 15 brood, and thus making two swarms of one, by adding an empty half to each full one. The two compartments are shown by the letters E, E. There are two end pieces for each compartment. They are twenty inches long,  
 20 and twelve inches wide, each. There is a notch cut in the front edge and upper end of each of said pieces, as wide as the chamber doors, and as deep as the thickness of those doors, leaving them even with the  
 25 front part of the hive. The four end pieces are shown by the letters F, F, F, F. There are two back pieces, which are of the same length as the end pieces. They are seven and a half inches wide. The back pieces are  
 30 not lettered on the pieces, inasmuch as they form the back part of the hive. But the letters G, G, placed on the draft are as near them as the end view will permit. The front pieces of the hive, are seven and a  
 35 half inches wide, each, or the same width as the back pieces; they, like the back pieces of the hive, are placed between the end pieces, and commence against the chamber doors, which being grooved into them in  
 40 such a manner as to leave the outside of the door and front piece even. These front pieces reach within one inch of the bottom of the ends of the hive; and thus leaving room for the bottom pieces of the hive to  
 45 be placed between them and to run back to the back pieces. The front pieces are shown by the letters H, H.

The above described compartments forming the hive are made fast on the back part  
 50 or back side of the hive by a loose or blind butt. This butt is put on perpendicularly half way from the underside of the cap, always measuring from the center of the butt. This will place the butt the long way,  
 55 or where it separates, ten inches below the cap. This must be put on all the hives alike, so that when they are separated and reunited with other halves they will fit truly. These compartments are made fast in front,  
 60 with an iron hook which, is made fast on the right hand compartment by inserting a screw or staple, and hooked over a screw or a staple, in the other compartment. The butt is shown by the letter I, and the hook  
 65 in front, with screws or staples which consti-

tute the front fastening; is shown by the letters K, K. There is a chamber in the upper end of each compartment, five and half inches in clear perpendicular. In width, or  
 70 from side to side, they are seven inches and a half each, and in depth, or from front to rear, ten inches each. The chambers are shown by the letters L, L. The chambers are closed by the above described chamber  
 75 doors, which slide outward and close to the center. Letter J, shows one strut. The other is open. These chambers are for the insertion of wooden, or glass, drawers, in which to abstract surplus honey. This is done by placing empty drawers in the chambers, and  
 80 as often as they are filled, they may be removed, and replaced by other empty ones. I have no particular rule for constructing drawers: they may be made as the maker  
 85 pleases. There is an opening in each chamber, which must correspond to the opening in the drawers two inches in diameter. This opening is made through the chamber floor, and communicates directly with the bees below. The chamber floors are two in number.  
 90 They are ten inches long, and seven and a half inches wide each and one inch thick. The underside of the chamber floor should not be planed. The chamber floors are shown by the letters N, N. Entrances through the  
 95 floors are shown by letters O, O. Through each of the two compartments is an opening, which enables the bees to occupy the two compartments as one hive. This opening is made by drawing two lines horizontally  
 100 across the two compartments on the two ends that join to each other. The first line is six and a half inches below the cap. The other line four inches below the first. Then draw two perpendicular lines, one four  
 105 inches from the rear of the hive, and the other four inches from the front on the said ends. Thus you will surround the piece to be cut out at right angles. This will make the top of the opening even with the bot-  
 110 tom of the chamber floors. This opening is shown by the letters M, M. The two bottom pieces of the hive are thirteen inches long and seven and a half wide each. They move  
 115 up and down between the end pieces of the hive. They are placed firmly against the back of the hive. The back end is hung by two screws, or pins, operating as a hinge, through the end pieces near the back end.  
 120 The back end of the bottom may be raised to give it any inclination the maker chooses. The screws that form the hinge for the bottom piece, should enter it five eighths of an inch from the back end of said pieces, as  
 125 shown by the letters Q, Q. The fore end of said pieces is hung with wire hooks, made fast to the bottom pieces by wire staples. Put two screws in each front, one half an  
 130 inch above the other. The hook must be of sufficient length when hooked to the top

screw to close the bottom of the hive; except the small entrance which cannot be closed by raising the bottom, because the entrance is made by cutting a notch in the bottom end of each front piece, one inch wide and one-fourth of an inch deep. The small entrances are shown by the letters P, P. Their object is to prevent the bees from robbing. When the hive is attacked by robbers, close the hive, except the small entrance.

R, R, shows the wire hooks that hang the front end of the bottoms.

S, S, shows the screws on which the tops of the hooks are suspended. The hive is hung or suspended by two cleats, running horizontally across the ends of the hive. The bottom of these cleats are six and a fourth inches below the cap, and one is shown by the letter T. The cleat covered by the chamber door is on the other end of the hive, directly opposite the one shown by the letter T.

In the front of each compartment, is a window, through which may be seen the bees at work. The window may be made any size the maker pleases, and darkened by slides operating the same way as the chamber slides, except that they move on the outside of the front pieces. The windows are shown by the letters Z, Z.

The multiplying hive is divided during

the swarming season as often as it is full of bees and comb, by inserting two tin slides between the two compartments to cut off intercommunication from one to four days previous to the actual division of the hive. The division itself must take place when all of the bees are in the hive, early in the morning or in the evening. The hive being taken down, and the two compartments separated, each is united anew to an empty half, and the two new hives, thus formed from an empty and full one, are then hung up, care being taken to draw the slides and place the new hives, six or eight feet from the original position.

What I claim as my invention and improvement, and desire to secure by Letters Patent, is—

The adapting together two halves of a hive, constructed according to the above specification, or in any similar convenient form, so that the same may be taken apart, and each adapted to, and connected with, an empty half of a hive, for the purpose of separating one swarm of bees, and their honey or products, into two, to prevent the trouble and risk of their swarming, and the injury or loss of the bees.

JAMES JONES.

Witnesses:

HUGH ALEXANDER,  
E. O. SMITH.