

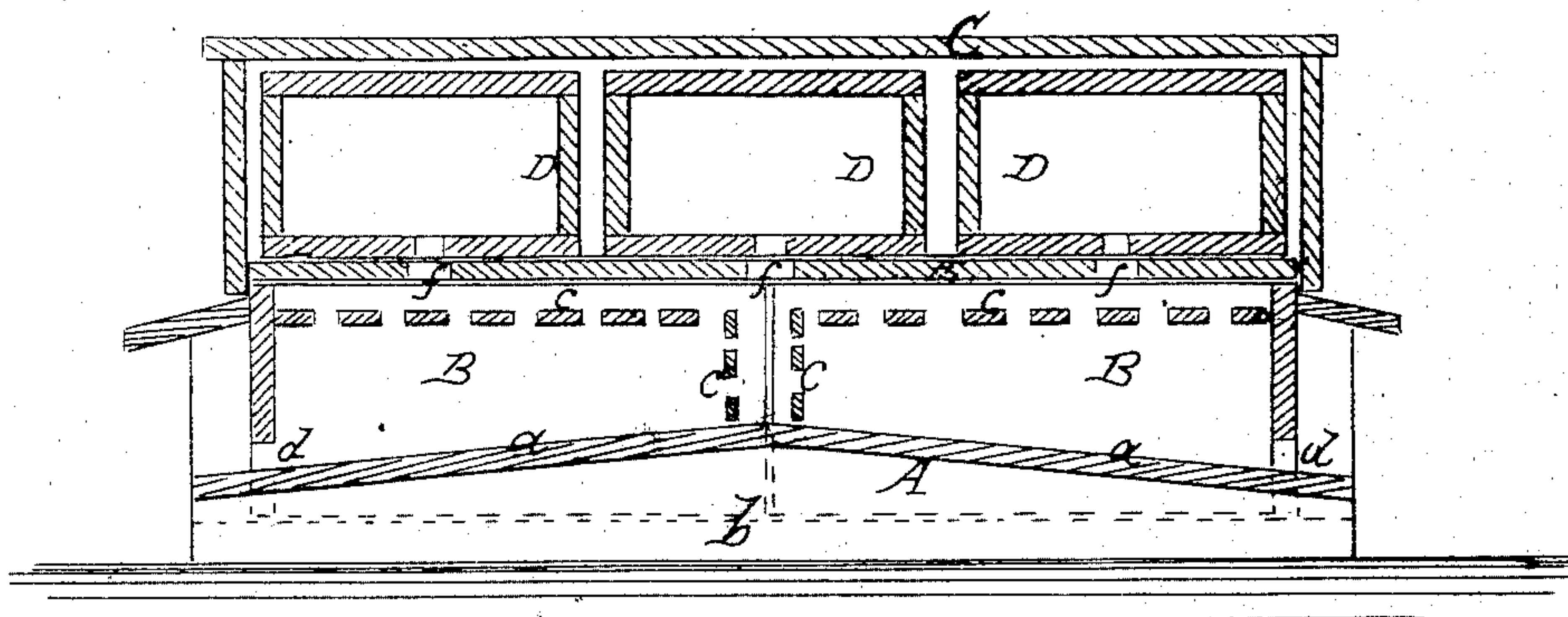
# *Daniel S. Bear's „Bee Hive.*

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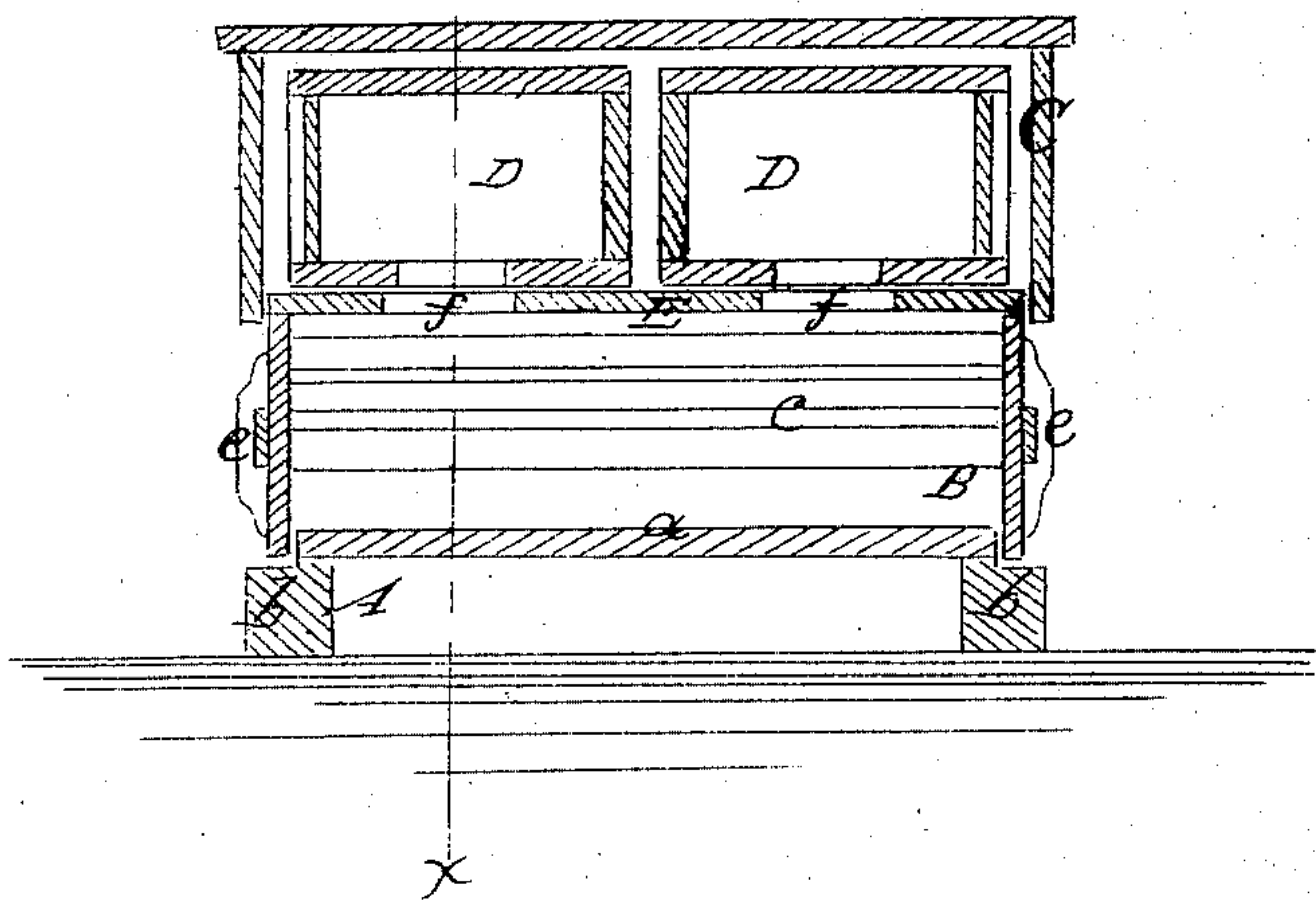
PATENTED

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*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*Theo. Incke  
J. Alvin Fraser*

*Inventor.*

*Daniel S. Bear  
Per Murray &  
Attorneys*



# United States Patent Office.

DANIEL S. BEAR, OF TOLEDO, IOWA.

*Letters Patent No. 74,487, dated February 18, 1868.*

## IMPROVEMENT IN BEE-HIVES.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, DANIEL S. BEAR, of Toledo, in the county of Tama, and State of Iowa, have invented a new and improved Bee-Hive, and that the following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements, by which my invention may be distinguished from all others of a similar class, together with such parts as I claim, and desire to have secured to me by Letters Patent.

This invention consists in constructing a bee-hive in two parts, and in such a manner that said parts may be readily separated whenever required, and the filled half of an occupied hive united to the empty half of an unoccupied hive, and colonies of bees multiplied without the natural process of swarming, and therefore without the trouble, risk, and annoyance of hiving. In the accompanying sheet of drawings—

Figure 1 is a longitudinal vertical section of my invention, taken in the line *x x*, fig. 2.

Figure 2, a transverse vertical section of the same.

Similar letters of reference indicate like parts.

A represents the base of the hive, which is composed of two platforms, *a a*, slightly inclined from a horizontal plane, the elevated ends abutting against each other, and forming the centre of the bottom of the hive. The platforms *a a* are secured to two parallel sleepers, *b b*, the latter projecting a trifle beyond the sides of the platforms, and forming rests or supports for two boxes, B B, which constitute the body of the hive. These two boxes B B are of equal dimensions, and their top and inner ends are formed of laths, *c*, the spaces between which are sufficiently wide to allow the bees to pass through. At the lower parts of the outer ends of the boxes B B are the bee-entrances, *d*, (see fig. 1,) and the boxes are secured in contact at their inner adjoining ends by any suitable fastenings, *e*. C represents a cap or box, which rests upon the two boxes B B, and contains the spare-honey boxes D, the latter resting on honey-boards E, on the tops of the boxes B B, which honey-boards are slotted, as shown at *f*, to allow the bees to pass through them.

There is nothing essentially new in the cap, or spare-honey boxes contained therein, the novelty consisting in the two boxes B B of the hive.

When a hive becomes filled, the two boxes B B are separated, and a filled box, B, connected to an empty one; two partially-filled hives are thereby obtained from a filled one, and the empty parts or boxes of the partially-filled hives soon become wholly filled, as the bees commence to work in them at once. The arrangement of the boxes B B admits of their being readily separated, without disturbing and exasperating the bees.

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

1. The open-bottomed boxes B B, constructed as described, having their inner and upper sides formed of slats *c c*, said boxes fitting over the double inclined bottom A, and adapted to be removed separately, from opposite sides of the hive, as herein described, for the purpose specified.

2. The boxes B B, constructed and operating as described, in combination with the double inclined bottom A, slotted honey-board E, cap C, and surplus-honey boxes D, when the sides of said boxes B B are adapted to fit over the edges of the inclined bottom upon the projecting sleepers *b*, as herein described, for the purpose specified.

DANIEL S. BEAR.

Witnesses:

N. FISHER,

S. J. M. BEAR.