

(No Model.)

W. SYESTER.

BEE HIVE.

No. 348,935.

Patented Sept. 7, 1886.

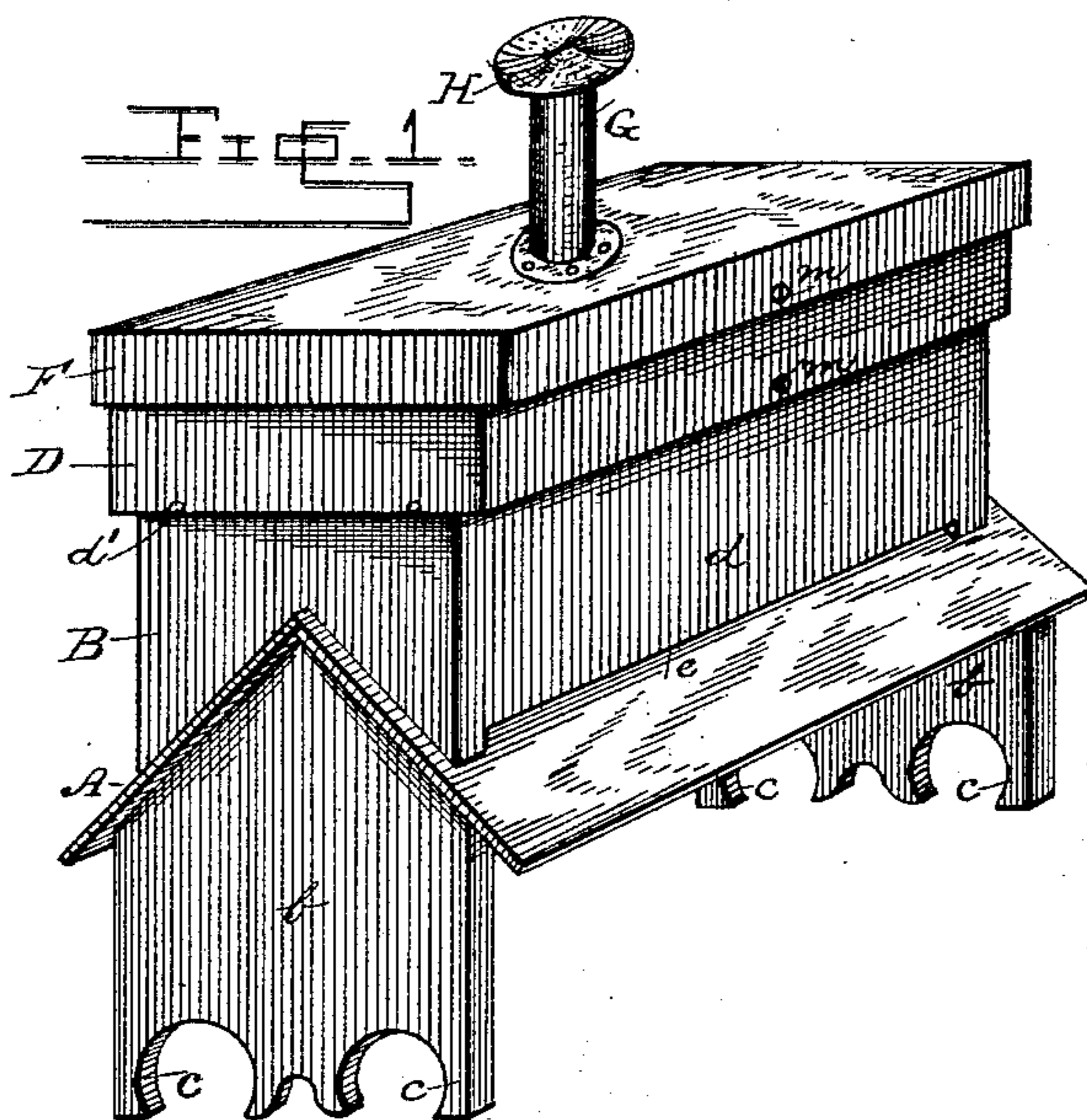


Fig. 2.

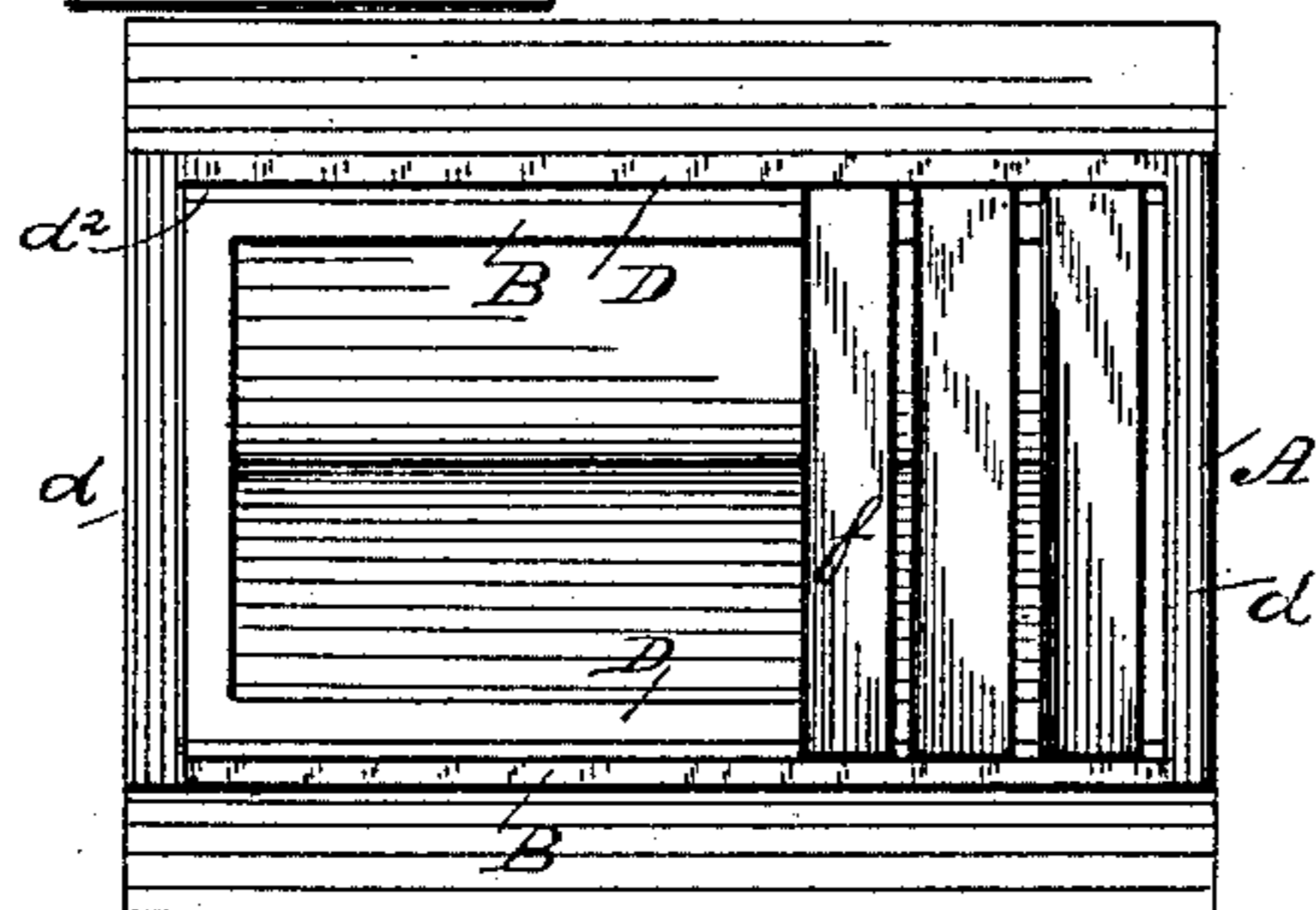
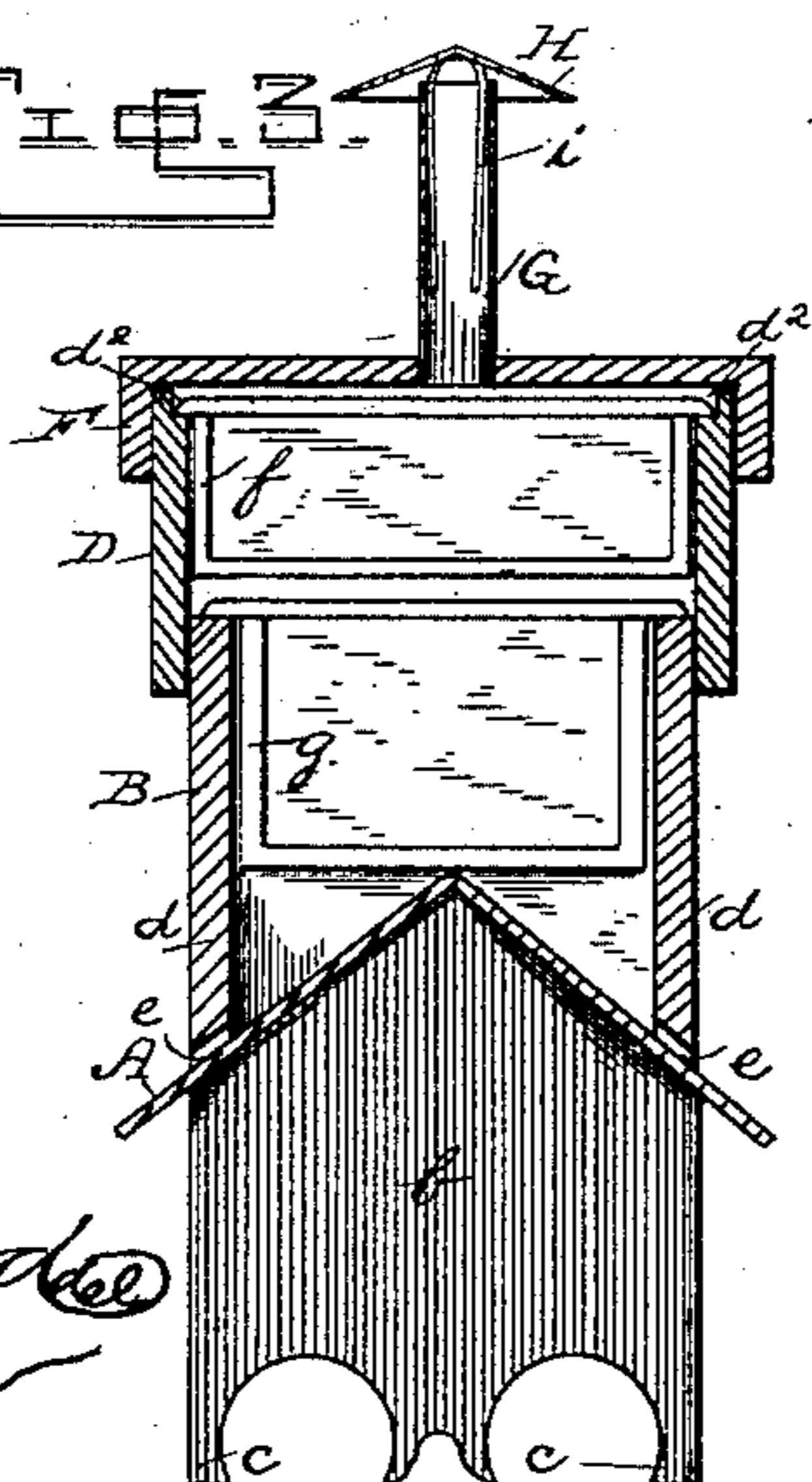


Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM SYESTER, OF ASHERSVILLE, INDIANA.

BEE-HIVE.

SPECIFICATION forming part of Letters Patent No. 348,935, dated September 7, 1886.

Application filed June 12, 1886. Serial No. 204,956. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SYESTER, a citizen of the United States, residing at Ashersville, in the county of Clay and State of Indiana, have invented certain new and useful Improvements in Bee-Hives; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in bee-hives; and the object of the same is the construction of a hive which is self-ventilating and self-cleaning, so that at all times the hive is kept clean and dry and the air therein perfectly pure.

To this end my invention consists of a new form of bench and other parts of the hive, as more fully hereinafter described and claimed. It is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view; Fig. 2, a top view with the cover removed, and Fig. 3 a central cross-sectional view of the entire hive.

In the drawings, A is a bench, made with a gable-shaped top or roof secured to the end pieces, *b*, which terminate in legs *c*.

B is a lower and separable part of a hive, the ends of which are cut out so as to rest and fit closely on the gable-shaped top of the bench, and having its sides *d* beveled on their lower edges and cut out so as to form a recess, *e*, between the part B and the bench, which extends nearly the entire length of the latter, and which is made large enough to admit of the easy ingress and egress of the bees to and from the hive. It will be seen that by this arrangement the sharp ridge of the bench extends well up into the body of the hive, and any form of dirt falling upon the steep sloping sides of the bench-roof will slide down the same and out of the hive. The exterior sloping sides of the bench will permit no accumulation of dirt, rain, or snow thereon.

D is a separable upper part or story of the hive, made enough larger than the lower part, B, to permit it to slide closely over the lower part. It may be secured in place on part B

by providing the latter with pins *d'*, on which the upper part rests, the edges of the end pieces of the part D being provided with notches in which the pins *d'* rest. Cleats may be used in place of the pins, or any other suitable device for securely holding the parts together. The part D is provided with longitudinal ledges *d''* on the upper inner edges of its sides, which grooves form a support for the upper comb-frames, *f*. The lower comb-frames, *g*, are supported from the upper edges of the lower part, B, and thus a considerable space between the two series of frames is obtained.

The position of the two lines of comb-frames *f* and *g* will be seen by reference to Fig. 3 of the drawings.

F is the top or cover of the hive. It is made in the form of a lid, being provided with flanges on its sides and ends, which fit closely down over the part D.

G is a chimney or flue extending through the top of the cover F, through which air is admitted to and from the hive. This chimney may be entirely closed and the circulation of air regulated by an adjustable removable damper, H, provided with spring-arms *i*.

If desired, the parts D, F, and B may be permanently secured together by screws *m*.

The legs of the bench may be stood in water, if desired, to prevent bugs and insects from crawling up to the hive.

In my device a perfect ventilation is always maintained, and by means of the adjustable ventilator at the top sufficient air may be admitted to sweep out any light dust or dirt that may not have fallen down the sloping sides of the bench. Rain or snow beating against the hive will find no lodgment around or within it.

Having thus described my invention, what I claim is—

1. The bench A, having a gable-shaped top or roof, in combination with the central portion of the hive, B, resting upon the bench, the ends of which part are cut or notched so as to rest and fit closely upon the gable-top bench, having its sides *d* beveled at their lower edges and cut out so as to form recesses *e* on both sides of the roof of the bench, substantially as and for the purposes described.

2. In combination with the parts A and B, the separable upper part, D, adapted to slide

and project over the part B, so that comb-frames may depend from the top edges thereof, the said part D being provided with ledges d^2 , from which upper comb-frames depend, substantially as described.

3. The combination, with the gabled-roof bench A, of the part B, adapted to fit and rest upon said roof, the upper part, D, resting on and projecting over part B, the cover F, fitting closely down over the part D and extending over parts B and D, whereby lodgment of rain and snow upon any of the parts below the cover is prevented, substantially as described.

4. The combination, with the bench A, of

the part B, fitting on the roof of said bench, having cut-out and beveled edges d , to form recesses e , the upper part, D, and the cover F, provided with the chimney G, having an adjustable and removable damper, H, whereby a free circulation of air may be maintained and regulated throughout the hive, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM SYESTER.

Witnesses:

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WILLIAM F. SONNEFIELD.