

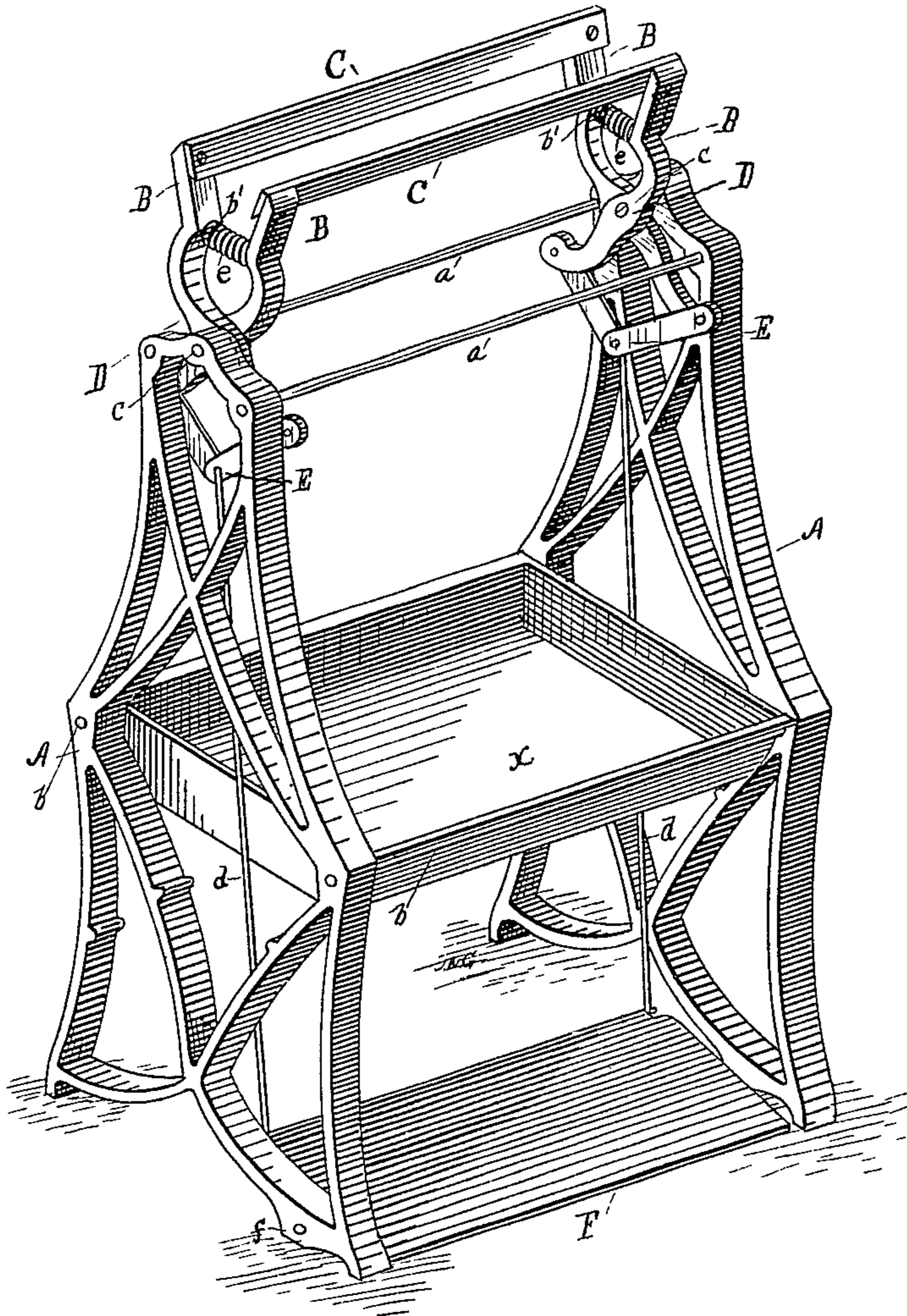
(No Model.)

J. BOURGMEYER.

HONEY COMB UNCAPPING MACHINE.

No. 249,881.

Patented Nov. 22, 1881.



Witnesses:

J. W. Garner  
W. S. D. Barnes

Inventor:

John Bourgmeyer  
By his attorney  
A. O. McCleary.

# UNITED STATES PATENT OFFICE.

JOHN BOURGMEYER, OF FOND DU LAC, WISCONSIN.

## HONEY-COMB-UNCAPPING MACHINE.

SPECIFICATION forming part of Letters Patent No. 249,881, dated November 22, 1881.

Application filed July 11, 1881. (No model)

*To all whom it may concern:*

Be it known that I, JOHN BOURGMEYER, a citizen of the United States, residing at Fond du Lac, in the county of Fond du Lac and State of Wisconsin, have invented certain new and useful Improvements in Machines for Uncapping Honey-Combs; 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 drawing, and to the letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to means for uncapping honey-combs.

Heretofore honey-combs have been uncapped by the use of knives of different forms. The uncapping process by the use of these implements is tedious and unnecessarily slow; and the object of my invention is to provide a machine whereby honey-combs may be uncapped rapidly and with little labor; and it consists of a machine of the construction hereinafter described.

The drawing represents a perspective view of a machine constructed in accordance with my invention.

The frame of the machine consists of two end pieces or standards, A A, connected at their upper ends by any desired number of cross pieces or braces *a*, and at or near the center of their length by braces *b*, the latter also serving to support a pan or other receptacle, *x*, for the purpose hereinafter set forth.

Between the upper ends of the standards A A are pivoted two systems of levers, D, (one at each end,) of the kind known as "lazy-tongs," by pivots *c*. To the upper ends or jaws, B, of these devices are secured horizontal knives C, preferably secured adjustably to the lazy tongs. The knives, as shown, are secured at one end to one of the levers of one pair of lazy-tongs, and at the other to the corresponding lever of

the other pair. Near the top end of each lever, and on their inner sides, are formed studs *b'*, around which are placed suitable springs, *e*, for holding the levers apart. The lower end, E, of each pair of lazy-tongs D is connected to a rod, *d*, extending downwardly and attached to a treadle, F, the latter being journaled in bearings *f* of the frame.

The operation of the above described machine is as follows: The frame containing the honey-comb is placed between the knives C and pressure applied to the treadle F until said knives are brought in contact with the sides of the honey comb, when the latter is drawn upward, thus uncapping the comb. Any drippings of honey or bits of the cap will be caught by the pan *x*.

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

1. In a machine for uncapping honey combs, the combination, with a supporting frame, of two horizontal uncapping-knives secured to lazy tongs, the jaws of which are pivoted midway of their length to the frame and operated by a treadle or equivalent means, substantially as set forth.

2. In a machine for uncapping honey combs, the combination, with the frame consisting of end pieces, A A, and cross braces *a b*, of two horizontal uncapping-knives secured to lazy-tongs at each end of the machine, the jaws of said lazy tongs being pivoted midway of their length to the frame and operated by a treadle spring *e*, and a pan or receptacle arranged beneath said knives, substantially as and for the purpose set forth.

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

JOHN BOURGMEYER.

Witnesses:

F. F. DUFFY,

A. SERVATEUS.