

(No Model.)

F. W. & P. C. A. HOFMANN.
FASTENING FOR PRESERVE OR FRUIT JARS.

No. 523,206.

Patented July 17, 1894.

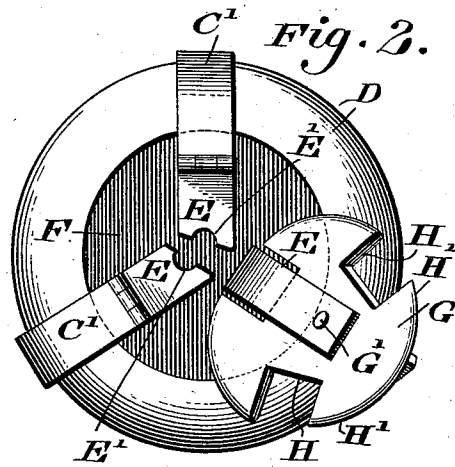
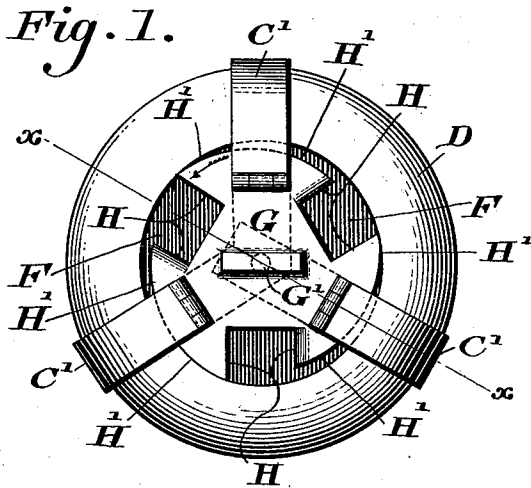
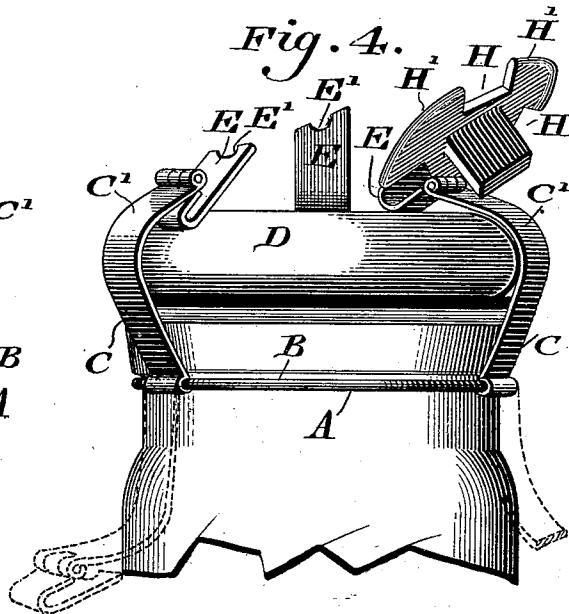
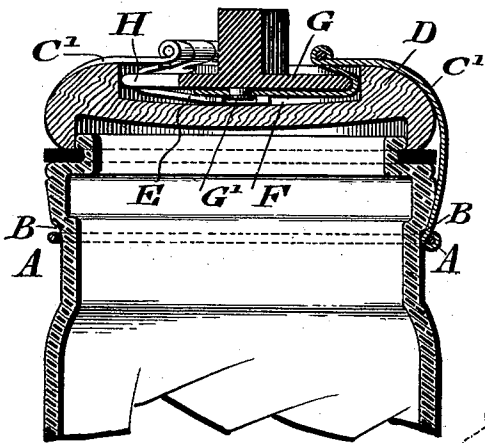


Fig. 3.



WITNESSES:

P. H. Hagler.
L. Douville.

INVENTOR:
Frederick W. Hofmann
Philip C. A. Hofmann
BY John A. Diederichsen
ATTORNEY.

UNITED STATES PATENT OFFICE.

FREDERICK W. HOFMANN AND PHILIP C. A. HOFMANN, OF PHILADELPHIA,
PENNSYLVANIA.

FASTENING FOR PRESERVE OR FRUIT JARS.

SPECIFICATION forming part of Letters Patent No. 523,206, dated July 17, 1894.

Application filed April 25, 1894. Serial No. 508,952. (No model.)

To all whom it may concern:

Be it known that we, FREDERICK W. HOFMANN, a citizen of the United States, and PHILIP C. A. HOFMANN, a subject of the King of Prussia, having resided in the United States one year last past and declared my intention of becoming a citizen thereof, both residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Fastenings for Preserve or Fruit Jars, which improvement is fully set forth in the following specification and accompanying drawings.

Our invention consists of a fastening for a preserve or fruit jar, the same embodying arms which are forced into engagement with the cover by the action of a head which also controls said arms, thus providing a firm, durable, sufficiently-elastic and effective fastening, as will be hereinafter set forth.

Figure 1 represents a top or plan view of a fastening embodying our invention. Fig. 2 represents a similar view, the fastening being partly open. Fig. 3 represents a vertical section on line *z, z*, Fig. 1. Fig. 4 represents a side elevation, the parts being in the position shown in Fig. 2.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings: A designates a ring or band which is secured to the neck of a preserve or fruit jar, and rested against the shoulder B thereon.

C designates swinging arms, which are mounted on said ring and rise therefrom, and overhang the stopper or cover D of the jar as at C', and rest thereagainst. The upper end of each arm has hinged to it the bent-spring plates or shoes E, which enter the recess F in the cover D. To one of said plates is pivoted the locking head G, which consists of a disk or plate, preferably of metal, having recesses H in its periphery, said recesses being somewhat wider than the arms C and upper limbs of the shoes E, so as to pass said arms and limbs while the head is being located on the cover, said head as is evident, being also adapted to enter the recess F.

The operation is as follows: The cover is located on the jar, and the arms are placed over said cover, the shoes and head entering

the recess F. Said head is then pressed-down to full extent and turned, whereby the portions of the periphery between the recesses H enter the limbs of the shoes E, and thus the head is interlocked with the shoes, and the latter control the arms C, whereby said arms are prevented from rising and opening outward, it being evident that owing to the yielding nature of the shoes, the arms are forced with an elastic pressure against the cover D, while being controlled, as has been stated. When the jar is to be opened, the head is rotated until the recesses H register with the arms C, when said head flies-up. The arms together with the head may now be thrown back, the cover then being no longer controlled, so that its removal may be readily effected.

The section of the head G, formed by the recesses H, have their peripheral walls of elliptical form as shown at H', H', so that said walls wedge with and tighten against the bends of the shoes E, whereby improper reverse rotation of the head is prevented.

The lower end of the pivot G' of the head G, enters the openings E' in the inner ends of the lower limbs of the shoes, said openings thus preventing said pivot from pressing against the shoes, while said limbs may be brought closely together, and will be immediately engaged by the head G, when swinging into the recess F of the cover, thereby preventing said limbs from rising through the recesses H.

The recess F of the cover is deeper in its center than at the periphery, whereby sufficient space is provided in said cover to receive the lower limbs of the shoes, and the adjacent end of the pivot G', and avoid injurious strain on the cover by any downward pressure of the parts on the same.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A fastening for a preserve jar consisting of swinging arms, a rotating head carried by one of the arms, and shoes on the other arms with which said head engages, said arms being adapted to bear on the cover of the jar, substantially as described.

2. In a fastening for a preserve jar, the com-

10 bination of a swinging shoe formed of limbs,
a swinging arm carrying said shoe, and a ro-
tating head mounted on another arm, said
head being adapted to engage said shoe, and
5 thus hold the arms pressed against the cover,
substantially as described.

3. Arms with shoes thereon, and a rotating
head mounted on one of said arms, and hav-
ing recesses in its periphery, the parts of the
15 head between the periphery being adapted to

engage with said shoes, and thereby control
said arms, which latter bear against the cover,
said parts being combined substantially as
described.

FREDERICK W. HOFMANN.
PHILIP C. A. HOFMANN.

Witnesses:

JOHN A. WIEDERSHEIM,
R. H. GRAESER.