(No Model.)

R. NAEGELI.

COVER FASTENING FOR JARS.

No. 541,775. Patented June 25, 1895.

FIG. 1.

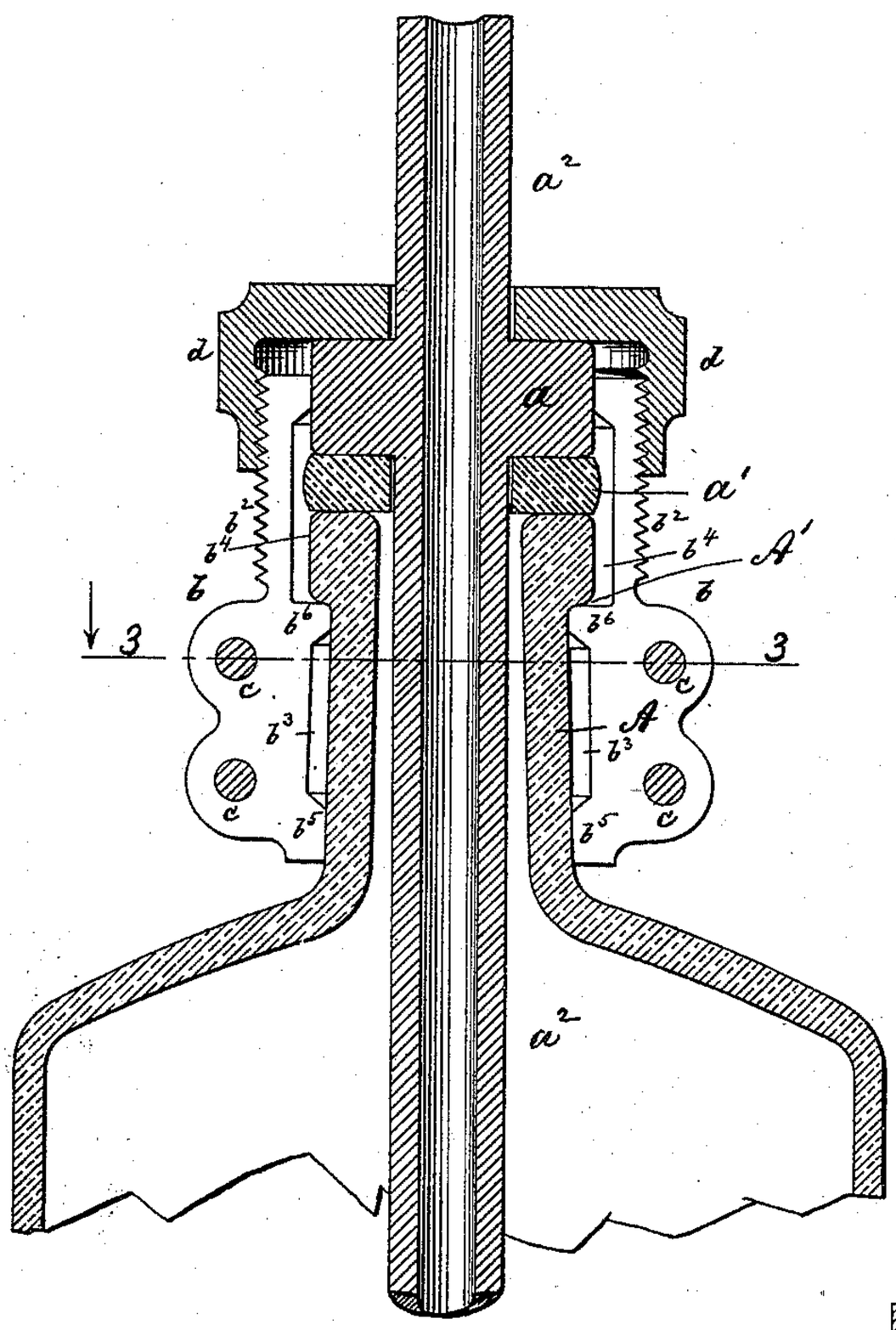


FIG. 2.

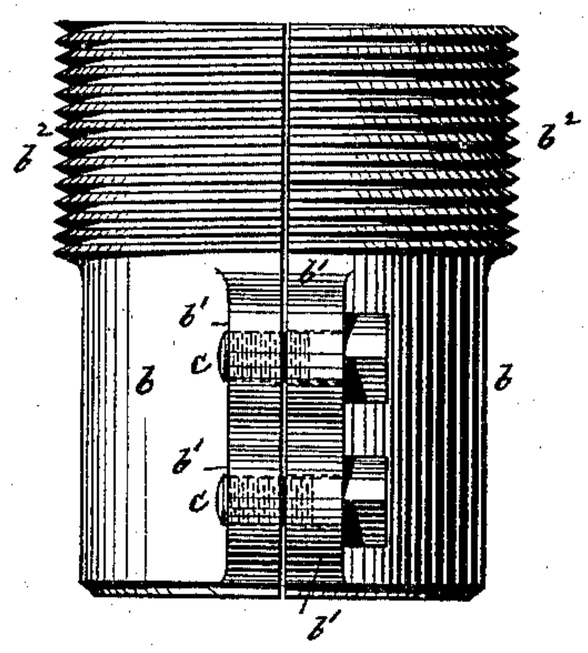


FIG. 3.

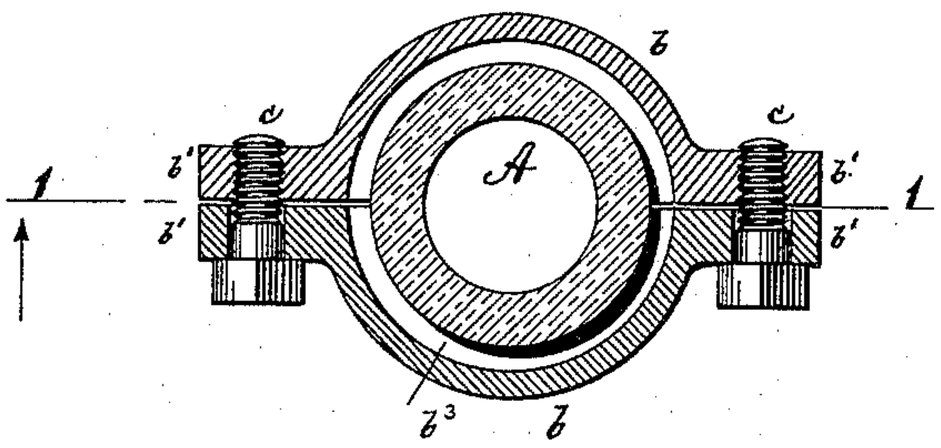
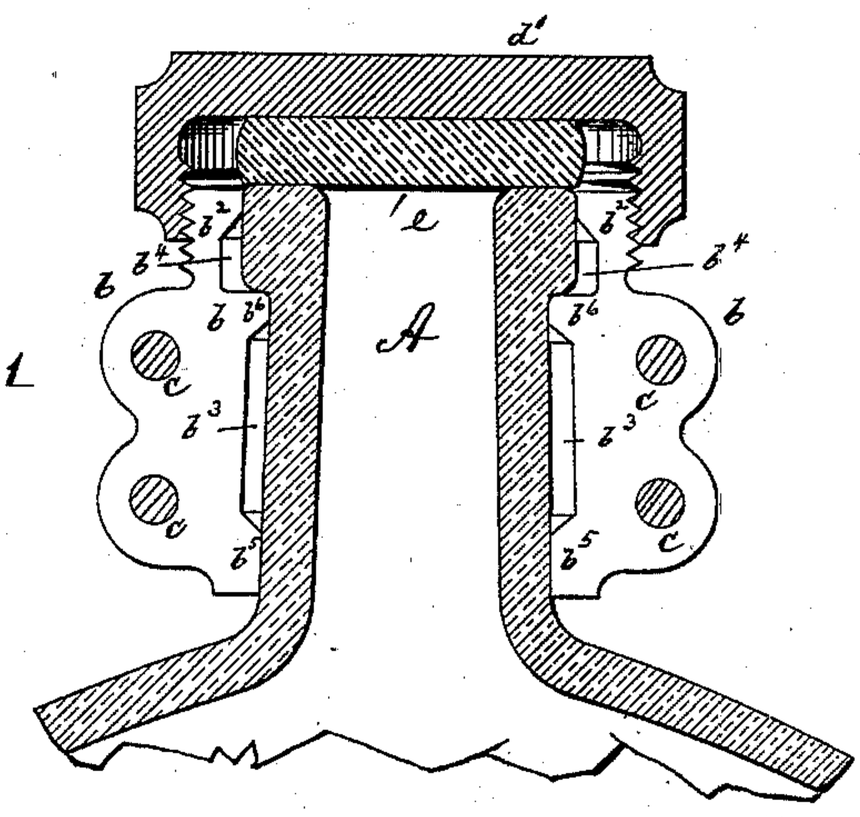


FIG. 4.



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UNITED STATES PATENT OFFICE.

RUDOLPH NAEGELI, OF HOBOKEN, NEW JERSEY.

COVER-FASTENING FOR JARS.

SPECIFICATION forming part of Letters Patent No. 541,775, dated June 25, 1895.

Application filed April 12, 1895. Serial No. 545,458. (No model.)

To all whom it may concern:

Be it known that I, RUDOLPH NAEGELI, of Hoboken, Hudson county, New Jersey, have invented an Improved Cover-Fastening for Jars, of which the following is a specification.

This invention relates to a cover fastener for jars which may be readily fitted in place, and which effects a very tight joint between the cover and the jar.

In the accompanying drawings, Figure 1 is a longitudinal central section of my improved cover-fastener. Fig. 2 is a side elevation of the divided sleeve *b;* Fig. 3, a cross section on line 3 3, with a tube a^2 omitted; and Fig. 4, a longitudinal central section of a modification.

The letter A, represents the neck of a jar or bottle and *a*, is the cover supported upon an annular washer *a'*, which is in turn supported upon the neck A. The cover *a*, is shown to consist of a collar or enlargement formed around a tube a^2. This construction is to be used where the jar is to be connected to a suitable charging apparatus, in which case the upper branch of the tube connects with such apparatus, while its lower branch extends some distance into the body of the jar.

Around the neck A, is fitted a divided sleeve, made in two semi-circular sections *b*. These sections may be united by means of bolts *c*, that engage lugs *b'*, formed on the lower half of the divided sleeve that surrounds the neck of the bottle beneath the head. By means of these bolts the sleeve sections may be drawn together to fit necks of different sizes and to compensate for slight irregularities in the jar necks.

The upper part of the divided sleeve *b*, surrounds the head of the bottle and is threaded exteriorly as at b^2, to be engaged by the annular threaded cap *d*. This cap when screwed home bears upon the collar *a*, and presses it tightly upon its seat to form a tight joint. The inner face of the divided sleeve *b*, is made with a lower recess b^3, and an upper recess b^4, which may remain empty or may be filled with a suitable packing material, such as cement. The lower recess is formed by a lower inwardly projecting flange b^5, and an upper inwardly projecting flange b^6, that extends inwardly beyond the inner face of the upper sleeve-section and engages the offset A', of the neck A, as the cap *d*, is screwed down.

It will be seen that the sleeve *b*, is in contact with the neck only at the flanges b^5, b^6, and in this way a perfect fit can always be obtained, even if irregularities exist in the neck or sleeve, between or above such flanges.

In Fig. 4 the construction is shown to be applied to an ordinary jar, without the filling tube a^2. Here the collar *a*, and washer *a'*, are replaced by a flexible cover *e*, which is forced upon the bottle neck A, by the cap *d'*. This cap is of course not made of annular form, but solid,

The advantages connected with my construction, are that the fastener can be readily fitted to the jars and that it will produce a perfectly tight joint between jar and cover.

What I claim is—

1. The combination of a divided sleeve having an upper threaded section and a lower section that projects inwardly beyond the upper section to engage beneath the bottle head, with a screw cap engaging the upper section and bolts that engage the lower section, substantially as specified.

2. The combination of a divided sleeve having an upper threaded section, a lower section, and a pair of flanges b^6, b^5, projecting inwardly from such lower section, to form an intervening chamber, with a screw cap engaging the upper section and bolts engaging the lower section, substantially as specified.

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