

No. 615,305.

Patented Dec. 6, 1898.

J. RAU.

STOPPER FOR BOTTLES OR JARS.

(Application filed Apr. 14, 1898.)

(No Model.)

fig. 1.

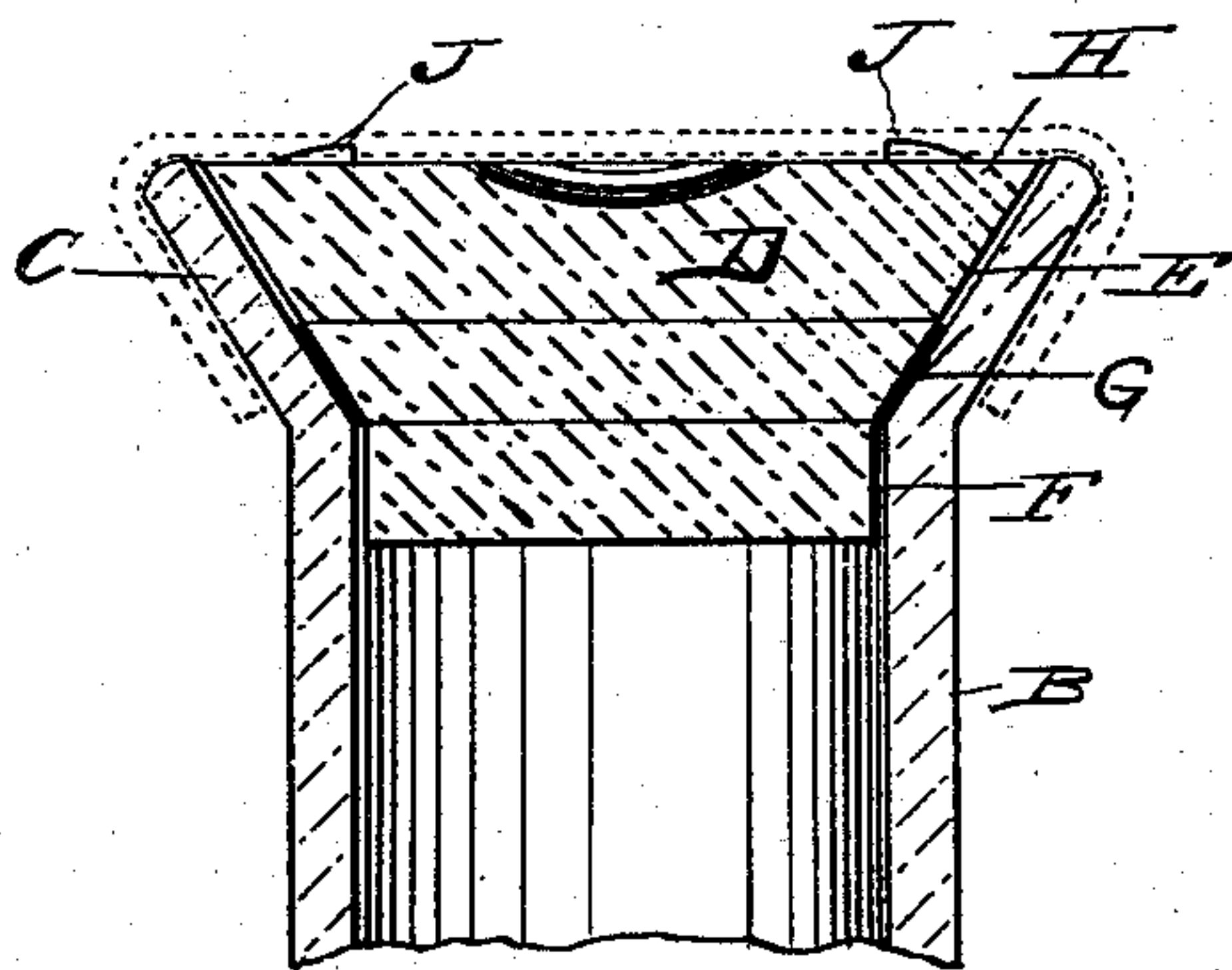
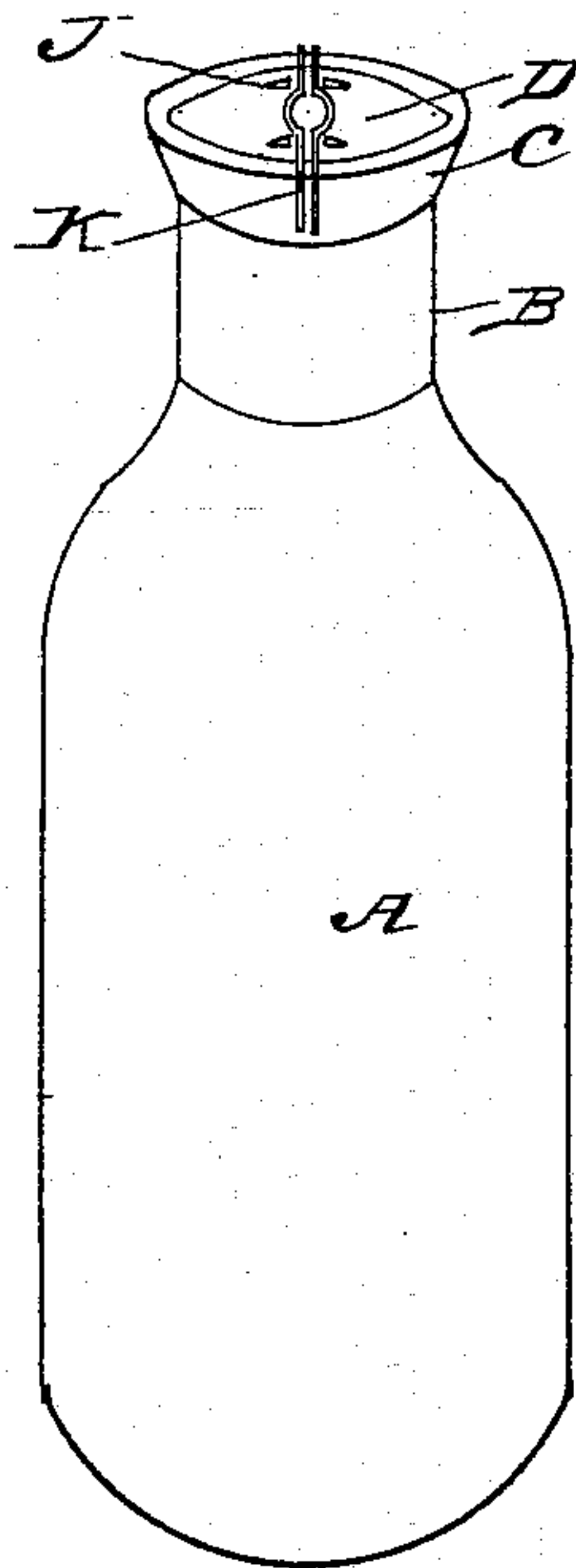


fig. 2.

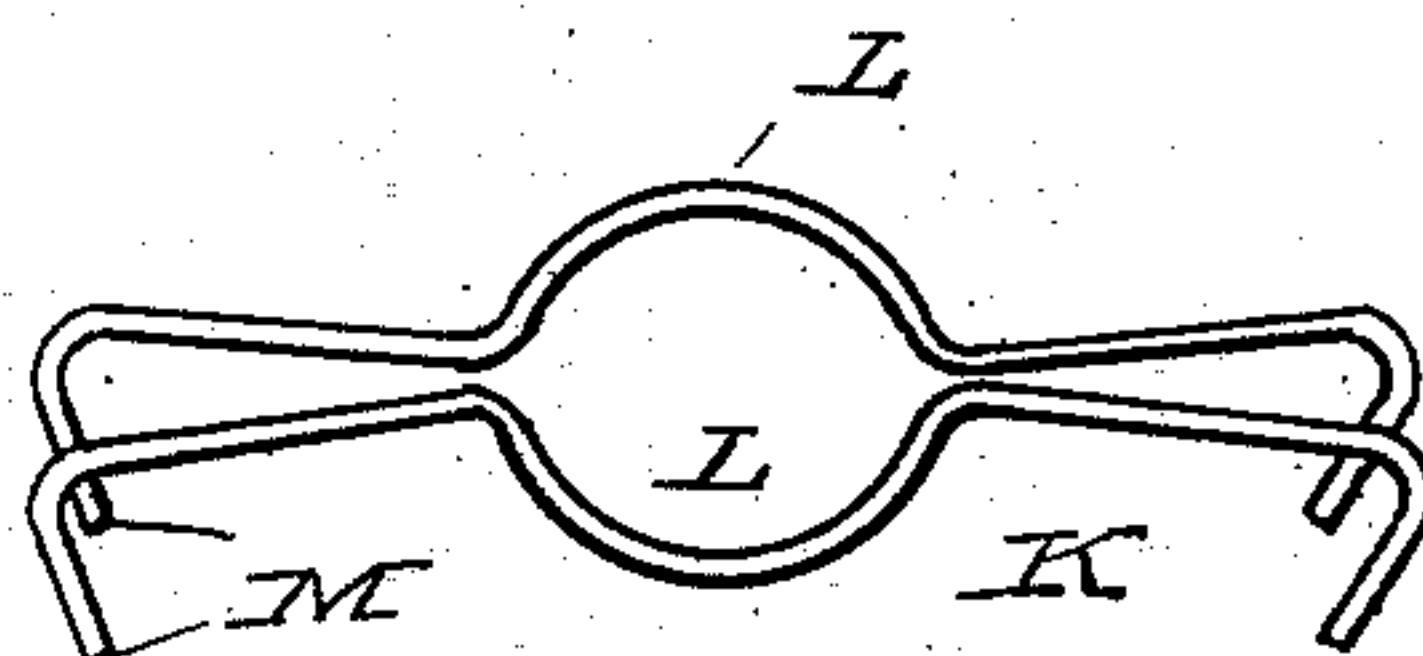


fig. 3.

Witnesses

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UNITED STATES PATENT OFFICE.

JOHN RAU, OF FAIRMOUNT, INDIANA.

STOPPER FOR BOTTLES OR JARS.

SPECIFICATION forming part of Letters Patent No. 615,305, dated December 6, 1898.

Application filed April 14, 1898. Serial No. 677,543. (No model.)

To all whom it may concern:

Be it known that I, JOHN RAU, a citizen of the United States of America, and a resident of Fairmount, in the county of Grant and State of Indiana, have invented certain new and useful Improvements in Bottle or Jar Stoppers, of which the following is a specification.

My invention relates to improvements in bottle or jar stoppers; and the main object of my invention is the provision of a stopper which forms a perfect seal, which makes a neat and close fitting top for a bottle or jar, and which is extremely simple, durable, and inexpensive in construction and very useful and practical for the intended purposes.

To attain the desired objects, the invention consists of a stopper for bottles or jars embodying novel features of construction and combination of parts, substantially as disclosed herein.

Figure 1 represents a perspective view of a bottle with my improved stopper applied. Fig. 2 represents a vertical central sectional view of the neck of a bottle with my stopper applied, and Fig. 3 represents a perspective view of the wire clamp for holding the stopper in a secure position.

In the drawings, A designates the bottle provided with the vertical neck B, whose upper edge C flares outward for the reception of my stopper and forms the mouth of bottle or jar.

The stopper or plug D consists of the flaring or slanting edge or rim E, whose lower end terminates in the short vertical wall F, which, in conjunction with the slanting edge, forms a stop and rest for the rubber gasket G, which fits upon the slanting surface of the rim and has its lower edge bearing or resting against the short vertical wall to hold the gasket in the proper position, while the stopper rests in the flaring mouth of the bottle or jar to seal or close the same.

Upon the top flat surface H of the plug are formed the two pairs of lugs J, and fitting in the space between each pair of lugs are the wire fasteners or clamps K, which are bent to form the semicircular spring centers L and the downward inwardly-inclined arms or prongs M, which are adapted to contact the outside of the flaring mouth of the bottle to

hold the stopper firmly in the mouth thereof, and as the curved centers of these clamps allow the clamps to be stretched it is readily seen that these clamps are very easily attached to and detached from the mouth of the bottle.

From this description, taken in connection with the drawings, it will be seen that the stopper carrying the rubber gasket and stop for the same fits in the flaring mouth of the bottle and that the rubber gasket is forced tightly and closely against the inner surface of said flaring mouth and makes a water and air tight connection or stopper.

It is thus seen that I provide a bottle or jar stopper which is very neat and attractive in appearance, which makes a perfect seal, and which is the embodiment of simplicity, durability, and cheapness, thus producing a thoroughly efficient and practical stopper for the intended purposes.

I claim—

1. In combination with a bottle or jar having a flaring mouth, of a stopper or plug to fit the same, consisting of the flaring surface, the vertical surface at the lower end of the flaring surface, two pairs of oppositely-inclined lugs formed integral with the top of the stopper, and a gasket resting or contacting the flaring surface and having its lower edge resting against said vertical surface, and two wire clamps bearing upon the top of the stopper between the lugs having their arms exerting a tension upon the inner edges of the lugs and having the bent ends engaging the outside of the flaring mouth of the bottle or jar to bind and hold the stopper in the mouth of the bottle or jar.

2. In combination with a bottle or jar having a flaring mouth, of a flaring stopper fitting therein carrying a gasket on its flaring surface and two pairs of lugs having their top surfaces inclined toward the sides and having their inner surfaces at right angles to the top of the stopper formed on the top of the stopper, and a pair of clamps adapted to rest upon the top of the stopper between the lugs and have their ends grasping the outside of the mouth of the bottle or jar to hold the stopper in place.

3. In combination with a bottle or jar, having a flaring mouth, of a flaring stopper fit-

ting therein carrying a gasket on its flaring
surface, and two pairs of oppositely-inclined
lugs formed on the top of said stopper, and a
pair of spring-clamps consisting of the semi-
5 circular spring centers terminating in the
long arms and hooked ends, said clamps
adapted to rest upon said stopper between
the lugs and have their hooked ends engag-

ing the outside rim to hold the stopper in the
mouth of the bottle or jar.

Signed by me, at Fairmount, Grant county,
Indiana, this 29th day of March, 1898.

JOHN RAU.

Witnesses:

JOHN PFARR,
MAYO BERRY.