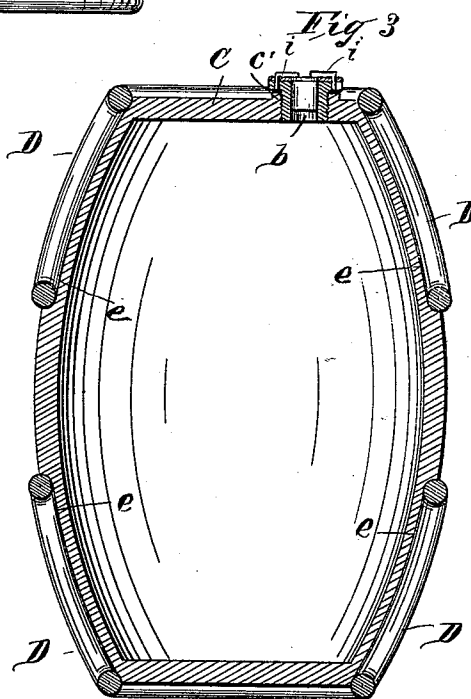
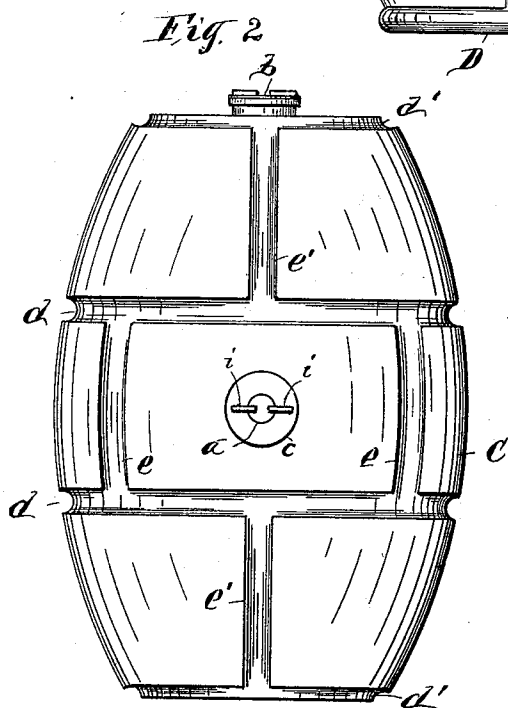
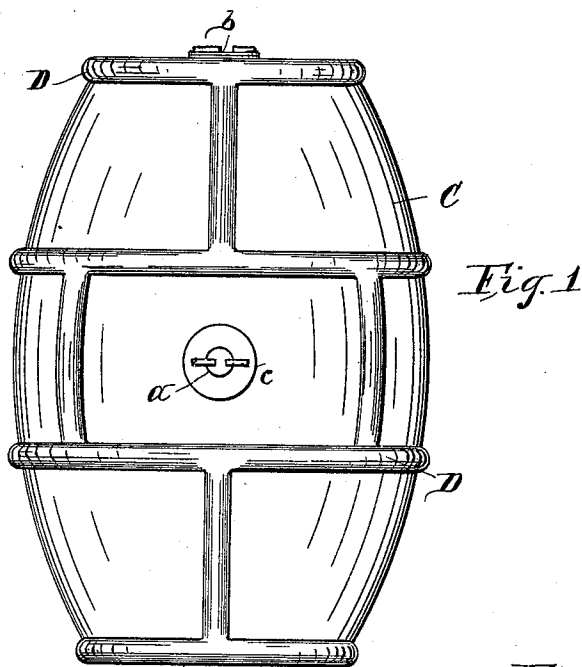


(No Model.)

F. H. WAITE.
KEG OR ANALOGOUS PACKAGE.

No. 519,486.

Patented May 8, 1894.



WITNESSES:

J. J. Laass
M. L. Maguire

INVENTOR:

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By E. Laass
his ATTORNEY

UNITED STATES PATENT OFFICE.

FRANK H. WAITE, OF HOLLEY, NEW YORK.

KEG OR ANALOGOUS PACKAGE.

SPECIFICATION forming part of Letters Patent No. 519,486, dated May 8, 1894.

Application filed June 16, 1893. Serial No. 477,806. (No model.)

To all whom it may concern:

Be it known that I, FRANK H. WAITE, of Holley, in the county of Orleans, in the State of New York, have invented new and useful
5 Improvements in Kegs or Analogous Packages, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the protection from
10 injury or breakage of kegs and barrels, and has more particularly reference to such packages formed of glass.

The invention is fully illustrated in the annexed drawings, in which—

15 Figure 1 is a side view of a keg embodying my invention. Fig. 2 is a side view of the naked keg, showing the grooves for retaining the jacket thereon; and Fig. 3 is a longitudinal section of the keg with the jacket applied
20 thereto.

Similar letters of reference indicate corresponding parts.

—C— represents the keg, or barrel which may be of any suitable material. Small kegs
25 however, I prefer to form in one piece of glass, and in the bung —a—, and faucet-hole —b— thereof I secure the bushings —c—c'— of metal or other suitable material to relieve the keg from the strain incident
30 to the insertion of the bung and faucet. Said bushings are formed with rims on their outer ends and in said rims are set screws —i—i—, the heads of which set over the bung or plug and thus securely retain the same in place.
35 The exterior of said keg I form with circumferential grooves —d—d'— respectively near the central portion and in the edges of the chine portions thereof, and with longitudinal grooves —e—e'— which intersect said circumferential grooves. The grooves *e* intersect with the intermediate grooves *d*, and the
40 grooves *e'* with the end or chine grooves *d'* and the intermediate grooves *d* at a point midway between the grooves *e'*.

45 —D— denotes the protective jacket which is composed of either rubber or other suit-

able material to form cushioned bearings on the exterior of the keg. Said jacket is of skeleton shape corresponding to the arrangement of the aforesaid grooves in which the
50 jacket is seated and thus retained in its requisite position on the keg. The jacket is of sufficient thickness to project from the sides and ends of the keg and thereby protect said keg from injury or breakage by violent con-
55 tact with hard surfaces.

The chines being the weakest parts of the keg or barrel, require special protection, and this is obtained by making the end grooves, —d'—d'— in the outer edges of the chines
60 and seating in said grooves the end-rings of the jacket. Said rings projecting from the ends of the chines and cushioning the same afford the necessary protection. The said end bands are retained in the grooves by the
65 longitudinal bands of the jacket connecting said end bands to the central bands which are securely seated in the grooves —d—d— in the central portion of the bulge of the keg
70 or barrel.

What I claim as my invention is—

The combination with a glass keg having grooves *d'* in the chines and parallel grooves *d* in the bulge, and having longitudinal grooves *e* communicating with the grooves *d*, and cor-
75 responding grooves *e'* located opposite the space between the grooves *e* and connecting at their ends with the said grooves *d* and the chine grooves *d'*, and a protective jacket composed of a series of rings to fit into the
80 grooves *d* and *d'* and project beyond the sides and the ends of the barrel and longitudinal bars corresponding in position with and adapted to be seated in the grooves *e* and *e'* and
85 connecting the said rings together, substantially as described.

In testimony whereof I have hereunto signed my name this 31st day of May, 1893.

FRANK H. WAITE. [L. S.]

Witnesses:

JOHN N. DRAKE,
A. K. FRANKLIN.