

No. 672,804.

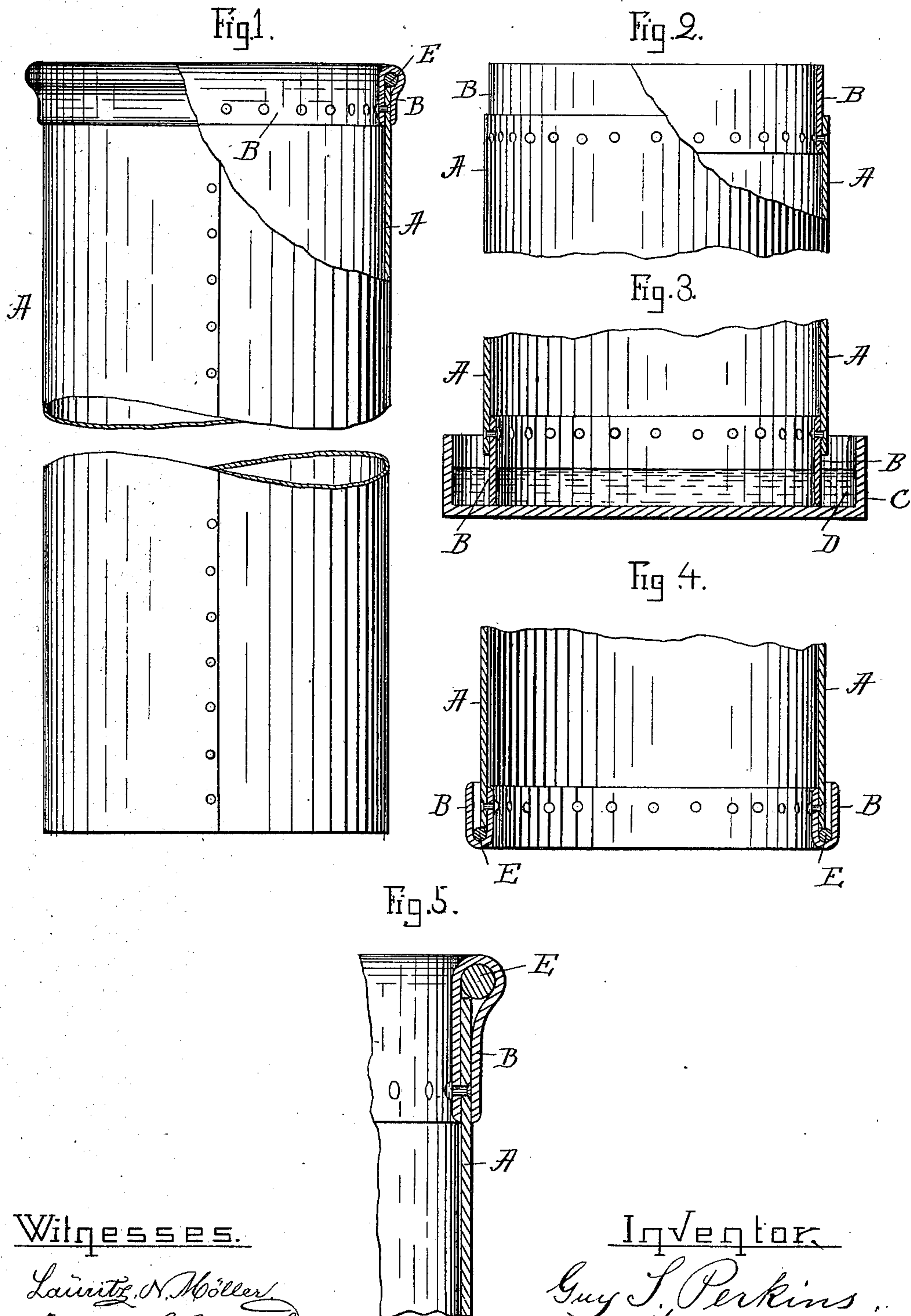
Patented Apr. 23, 1901.

G. S. PERKINS.

ROVING CAN, CORDAGE CAN, OR BASKET.

(Application filed Dec. 15, 1900.)

(No Model.)



Witnesses.

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UNITED STATES PATENT OFFICE.

GUY S. PERKINS, OF MEDFORD, MASSACHUSETTS.

ROVING-CAN, CORDAGE-CAN, OR BASKET.

SPECIFICATION forming part of Letters Patent No. 672,804, dated April 23, 1901.

Application filed December 15, 1900. Serial No. 39,967. (No model.)

To all whom it may concern:

Be it known that I, GUY S. PERKINS, a citizen of the United States, residing at Medford, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Roving-Cans, Cordage-Cans, or Baskets, of which the following is a specification.

This invention relates to improvements in the manner of reinforcing the tops of roving-cans, cordage-cans, and baskets; and it consists in securing to the interior of the top or open end of such articles a reinforcing-band of fiber, the upwardly-projecting portion of which is afterward soaked in water and bent outwardly and allowed to shrink against the exterior of the can or basket, as will hereinafter be more fully shown and described, reference being had to the accompanying drawings, wherein—

Figure 1 represents a side elevation of the improved reinforced can or basket, partly shown in section. Fig. 2 represents a partial side view and section of the top end of the can or basket, showing the reinforced fiber strip or band secured to the interior thereof. Fig. 3 represents a sectional view showing the can or basket reversed and the projecting portion of the reinforcing fiber strip immersed in water. Fig. 4 represents a sectional view showing the soaked projecting portion of the reinforcing fiber strip bent outwardly after the metal wire has been placed in position on the upper edge of the can or basket, and Fig. 5 represents a sectional view showing the reinforcer shrunk against the outer upper portion of the can or basket.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

In the drawings, A represents the body of a roving-can, cordage-can, or basket, preferably made of fiber and of cylindrical form; but this is not essential, as the articles may be made of any other or well-known material and of any other suitable shape, size, or form without departing from the essence of my invention.

In reinforcing the top of the can or basket

I take a strip of fiber B and secure it by rivets or other means to the interior of the top of the can or basket, as shown in Fig. 2, a portion of said fiber strip being made to project above the top of the can or basket A, as shown in said Fig. 2. I then reverse the can or basket and place it in a shallow dish C, containing water D, in which a portion of the projecting fiber strip or band is immersed, as shown in Fig. 3. The said projecting portion of the reinforcing-strip is soaked a proper time in said water-receptacle until it becomes sufficiently yielding and flexible, after which it is removed from said water-containing dish and the projecting fiber portion is turned outward and a metal or wire ring E is placed in position on top of the can or basket body A, as shown in Fig. 4. The can or basket is then put away in a dry or heated place, causing the turned-over fiber strip to dry and shrink against the outer portion of the can or basket, as shown in Figs. 1 and 5, thus completing the reinforcing of the top or open end of the can. This manner of reinforcing a can or basket by means of a fiber strip, as above described, is very advantageous, as by so doing I produce an exceptionally strong and rigid reinforcer, which is very convenient in handling and not liable to injure the hands of the operator or catch the cotton or textile slivers while in use in cotton or worsted mills.

What I wish to secure by Letters Patent and claim is—

The combination with a roving-can, of a metal ring mounted on the upper edge thereof, a strip of fabric engaging the inner face of the can, projecting above the same, and shrunk against the periphery thereof for retaining the ring in position and reinforcing the end of the can, and a series of rivets for connecting said strip to the inner face of the can.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GUY S. PERKINS.

Witnesses:

ALBAN ANDRÉN,
CHARLES A. HARRIS.