A. NOLDA.

STRAINER FOR DRINKING VESSELS.

APPLICATION FILED SEPT. 30, 1915.

1,173,374. Patented Feb. 29, 1916.

Fig. 1.

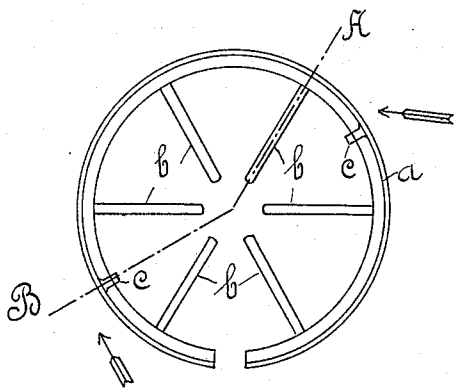


Fig. 2.

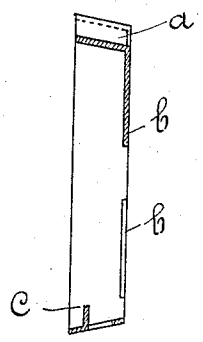
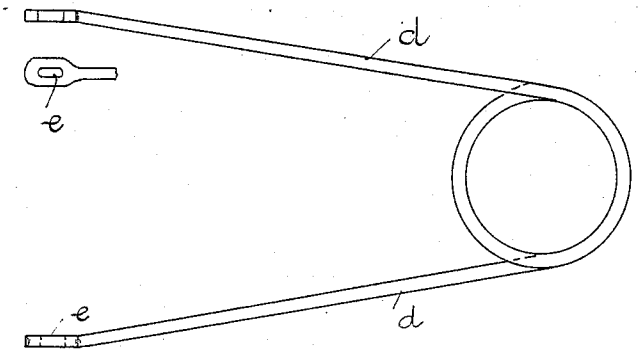


Fig. 3.



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UNITED STATES PATENT OFFICE.

AUGUST NOLDA, OF BERLIN, GERMANY.

STRAINER FOR DRINKING VESSELS.

1,173,374. Specification of Letters Patent. Patented Feb. 29, 1916.

Original application filed December 31, 1914, Serial No. 879,949. Divided and this application filed September 30, 1915. Serial No. 53,393.

To all whom it may concern:

Be it known that I, AUGUST NOLDA, a subject of the Emperor of Germany, and resident of Berlin, Germany, have invented new and useful Improvements in Strainers for Drinking Vessels, of which the following is a specification.

The object of the present invention is a strainer for drinking vessels for preventing solid particles contained in the liquid, as for instance, ice, parts of food, seeds or the like, from getting into the mouth of the drinker, as for instance, described in my copending application, Serial Number 879,949, filed December 31, 1914.

The most essential and important feature of the invention resides in the fact that the same strainer may be used with a plurality of smooth walled vessels of different sizes, and with this end in view, the strainer is housed within a slit and therefore resilient casing, the outside of which is preferably conically shaped in order to fit smoothly against the inner wall of a vessel.

The device for retaining the solid particles in the present instance consists of a plurality of rods which are arranged sufficiently close to each other for producing the desired result.

In the drawing:—Figure 1 is a plan view of the preferred form of the strainer. Fig. 2 is a section on line A—B of Fig. 1, seen in the direction of the arrows. Fig. 3 shows the tool for inserting and removing the strainer.

The strainer essentially consists of a resilient ring *a*, preferably provided with a conical outer surface adapted to fit closely against the inner wall of the vessel. The ring *a* is provided with prongs *b* which are arranged in such a manner that solid bodies or particles of a certain size cannot pass through the ring *a*. The shape and construction of these prongs *b* can of course be any desired one and also their manner of attachment to the ring *a*. This ring is further equipped with small lugs *c* which serve as points of engagement for the prongs *d* illustrated in Fig. 3.

The jaws *e* of said prongs engage the lugs *c* and permit assemble and ready insertion and removal of the ring *a* into a drinking vessel.

The ring *a* is of course introduced as far as possible into the drinking vessel.

What I claim is:—

1. In a strainer for drinking vessels, a slitted ring encircling the strainer and having a conically shaped outer surface, adapted to accommodate itself snugly and automatically to the shape of the vessel, and lugs on said ring adapted to be engaged by a tool for inserting and removing the ring from said drinking vessel.

2. In a strainer for drinking vessels, the combination of a slitted ring with a plurality of prongs forming a strainer, said slitted ring snugly fitting said strainer, and means on said ring adapted to be engaged by a tool for inserting and removing said ring from said drinking vessel.

In testimony whereof I affix my signature in the presence of two witnesses.

AUGUST NOLDA.

Witnesses:
HANS ANNINN,
ADELE LAHMANN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."