

H. E. KORN & E. KUHN.
 APPARATUS FOR PREPARING INFUSIONS.
 APPLICATION FILED JAN. 18, 1910.

975,874.

Patented Nov. 15, 1910.

Fig. 1.

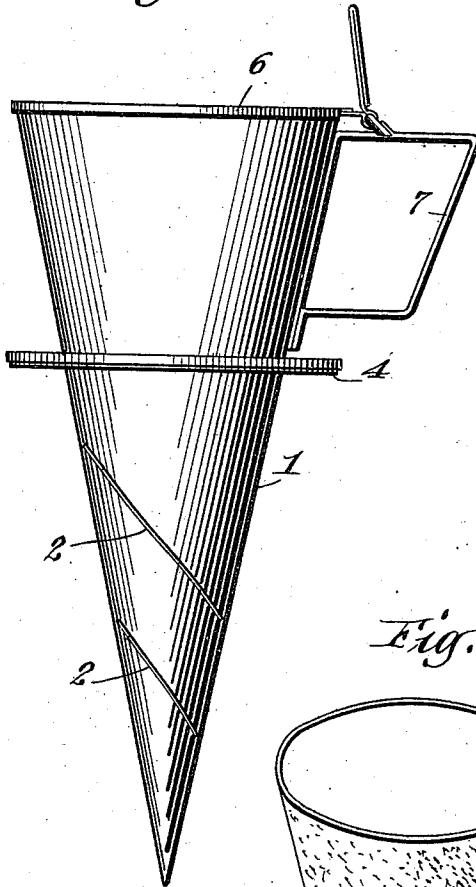


Fig. 2.

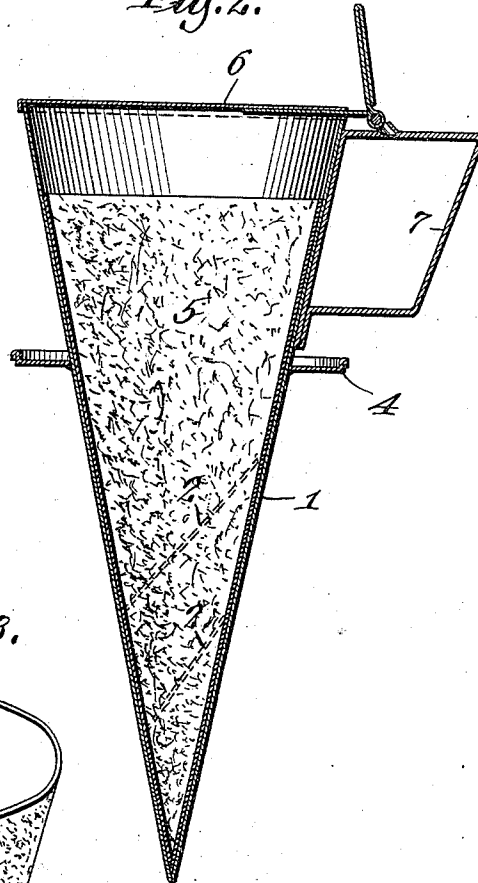
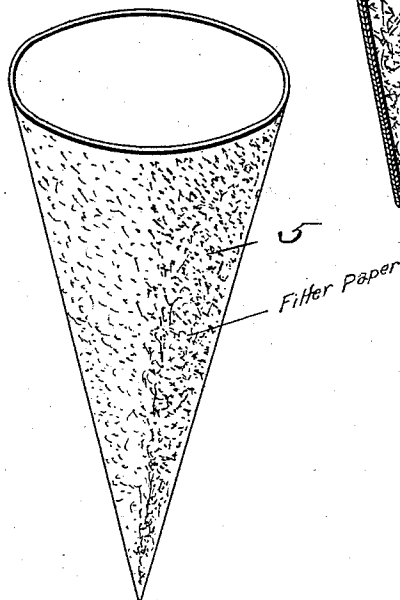


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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APPARATUS FOR PREPARING INFUSIONS.

975,874.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, HERRMANN E. KORN and EDMOND KUHN, citizens of the United States of America, residing at East Orange, county of Essex, and State of New Jersey, have invented certain new and useful Improvements in Apparatus for Preparing Infusions, of which the following is a specification.

Our invention relates to an improved pot or apparatus for preparing infusions of coffee, tea or other material.

The object of the invention is an apparatus of few parts, cheap and simple in construction; and highly effective in operation, so that a clear and fragrant liquor may be prepared expeditiously and with a minimum of trouble and inconvenience.

Heretofore in the art the strainers for use in apparatus of this class have generally been of metal or of fibrous material such as cloth. Strainers of both these types are objectionable in that they are troublesome to clean and keep in order, and with the best care deteriorate, either becoming clogged and inoperative, or imparting to the liquor a disagreeable flavor. Both types, furthermore, involve a more or less special construction with many parts, thus rendering the apparatus expensive.

We propose to, and in the present invention do, use a filter paper strainer. A paper strainer is intended for a single use only, but its cost is negligible, and by its use all of the above objections are obviated. We are aware that paper strainers have been used to a limited extent in the art, for instance as illustrated in United States patent to Van Duesen, No. 544,140, dated August 6, 1895. In this patent, however, the paper strainer is employed in conjunction with a metal strainer, and by reason of the parts involved, and other features, differs radically from our invention. We employ no strainer but the paper strainer, and the coffee or other material is directly in contact therewith.

We have found that if the paper strainer is suitably supported and suitable outlets in the support are provided for the liquor, then no other strainer or parts are necessary. Our apparatus with two parts, to wit, the

paper strainer and its support, is absolutely complete. The support is effective to prevent the wet and relatively heavy grounds within the strainer from breaking the latter, and while having no holes or openings through which the grounds may break, nevertheless permits the easy escape of the liquor.

Having briefly set forth the object and nature of the invention, we will now describe in detail the apparatus in connection with the accompanying drawings in which—

Figure 1 is a view in side elevation of the apparatus. Fig. 2 is a view in cross-sectional elevation of the apparatus. Fig. 3 is a perspective view of the filter bag.

Referring to the drawings, there is shown a conical receptacle 1 having spiral slits 2 extending part way down the same to a point near the apex of the cone. The upper portion of the receptacle 1 carries an annular horizontally projecting flange 4 by means of which the entire device may be supported in an ordinary pot or other receptacle. Within the conical portion 1 is the paper filter 5. This latter is made of ordinary filter paper twisted into conical form and pushed into the support 1. When the coffee or other material is placed in the filter 5 and water poured over the same, the filter settles against the walls of the cone 1, taking the shape of the latter and being supported thereby. The infusion from the filter passes through the slits 2, and down the outside wall of the cone 1 to the apex thereof, whence it drops into the cup or other receptacle over which the end of the cone is held. The cone 1 is preferably provided with a cover 6 and a handle 7.

What we claim is:

1. An apparatus for preparing infusions, consisting of a paper filter, a support within which the filter is contained and against which the surface of the filter bears, the support having slits therein through which the infusion is adapted to pass.
2. An apparatus for preparing infusions, consisting of a paper filter, a support within which the filter is contained and against which the surface of the filter bears, and the support having spiral slits therein through which the infusion is adapted to pass.

3. An apparatus for preparing infusions,
consisting of a conical paper filter, a conical support within which the filter is contained and against which the surface of the
5 filter bears, the support having spiral slits therein through which the infusion is adapted to pass.

Signed by us at New York City, N. Y.,
this 15th day of January, 1910.

HERRMANN E. KORN.
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Witnesses:

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