K. F. WALLIN.

NASAL INHALER.

APPLICATION FILED MAR. 6, 1915.

1,160,797.

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Fig. 1.

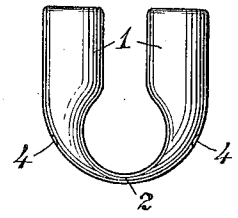


Fig. 3.

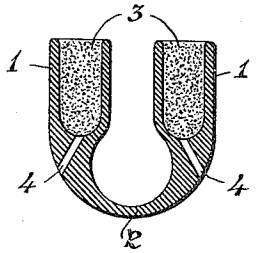


Fig. 2.

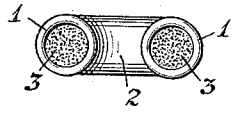


Fig. 4.

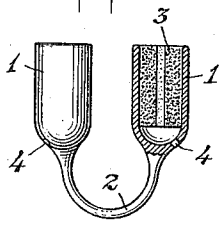
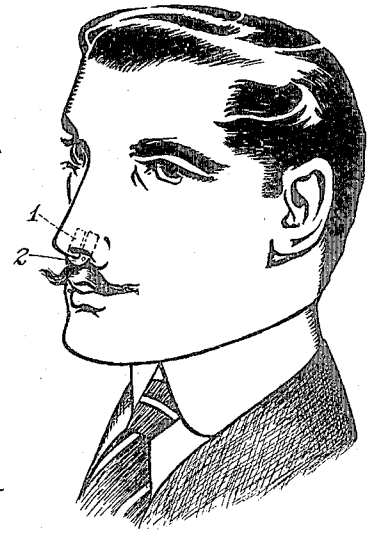


Fig. 5.



WITNESSES

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NASAL INHALER.

1,160,797. Specification of Letters Patent. Patented Nov. 16, 1915.

Application filed March 6, 1915. Serial No. 12,489.

To all whom it may concern:

Be it known that I, KNUTE F. WALLIN, a citizen of the United States, and resident of the borough of Brooklyn, county of Kings, city and State of New York, have made certain new and useful Improvements in Nasal Inhalers, of which the following is a specification.

My invention relates more particularly to inhalers adapted for holding medicaments or medicinal drugs adapted to relieve or facilitate the healing of ailments of the nasal passages. Such treatment is particularly desirable in certain forms of catarrh of the nose and head and colds in which the nasal passages are partially or more or less completely closed. The usual method of treatment is by inhaling smelling salts or vaporizable curative drugs from a bottle or special inhaler held in the hand and also by the use of atomizers, vaporizers and the like. These devices require some attention during treatment and for this reason the treatment becomes more or less intermittent and dependent upon the patient. Furthermore, they require the use of the hand so that while applying treatment the hands can not be occupied in performing useful work with any degree of satisfaction.

The object of my device is to facilitate the uninterrupted treatment of the nasal passages for as long a period as may be desired, without any particular attention on the part of the patient other than that required to initiate the treatment which may be continued indefinitely without interfering with the normal and free use of the hands.

A further object is to obtain a more direct application of the healing vapors to the affected parts in a gentle and continuous manner which it is found is more beneficial than the intermittent methods hereinbefore referred to.

In the accompanying drawings, illustrative of my invention, Figure 1 shows the inhaler complete; Fig. 2 is a top or end view; Fig. 3 is a vertical section; Fig. 4 is a modification and Fig. 5 is intended to indicate the device in use.

Referring to the drawings, 1 represents a tubular cup or capsule-like member, two of which are preferably united at their bottoms by a connecting member 2. The members 1 are preferably circular in cross-section, as shown in Fig. 2, but obviously any suitable shaped may be employed. The cups or capsule-like members are adapted to be filled with a paste or tube of menthol or the like medicament which may be adapted for the purpose or prescribed for inhalation for its curative value. It may be desired to use oils or vaporizable liquids, in which case the capsule-like pocket 3 is filled with absorbent cotton saturated with the liquid to be used. The pair of capsule-like members when properly charged with the vaporizable medicament is then inserted in the nostrils and is of such dimensions as to cling to the nasal septum and not obstruct the nasal orifices, substantially as indicated in Fig. 5. As the patient draws in air through the nostrils in the usual manner it will, in passing the members 1 pick up and carry along a small amount of the healing vapor. The evaporation of the drug in the capsule, in some cases, may be facilitated by the small hole 4 which enters the cavity 3 at the bottom thereof, as indicated in Fig. 3. With some medicaments, however, the hole 4 may not be required.

My device has the advantage of simplicity and compactness, and if made of flesh colored material may be used without attracting attention. At all times its use need not interfere with the regular duties of the patient or the use of the hands in the usual manner.

The connecting member 2 is preferably slightly resilient and the device may be made of any suitable non-corrosive material as hard rubber, bakelite, or the like or of such metals as gold or silver.

If made of metal the device may have the general appearance of the modification shown in Fig. 4 of the drawings. In this form the members 1 are preferably drawn or formed of thin metal and connected at their bottoms by a section 2 of thin wire of sufficient strength and resiliency to meet the requirements.

The device may be molded, cast or formed in any suitable manner.

It will be understood that I do not wish to be limited to the specific details of construction shown and described for obviously certain modifications may be made without departing from the spirit and scope of the claims.

I claim:

1. As a new article of manufacture, a nasal inhaler comprising in an integral structure of hard rubber or the like a pair of

tubular cups spaced apart and united by a yoke the ends of which form the bottoms of said cups said yoke being undercut transversely and made thinner below the bottoms of the cups thereby rendering it slightly resilient and adapting it to fit the septum of the nose.

2. As a new article of manufacture, a nasal inhaler comprising in an integral structure of hard rubber or the like a pair of tubular cups spaced apart and united by a yoke the ends of which form the bottoms of said cups said yoke being undercut transversely and made thinner below the bottoms of the cups thereby rendering it slightly resilient and adapting it to fit the septum of the nose, said yoke and bottoms of the cups being perforated substantially as and for the purpose described.

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

KNUTE F. WALLIN.

Witnesses:
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FRITZ ZIEGLER, Jr.

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