C. R. WEDLER.

NASAL TAMPON.

APPLICATION FILED AUG. 13, 1914.

1,133,770.

Patented Mar. 30, 1915.

FIG. 1.

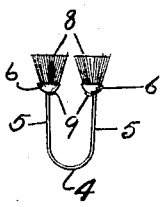


FIG. 2.

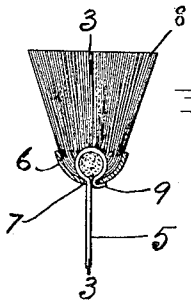
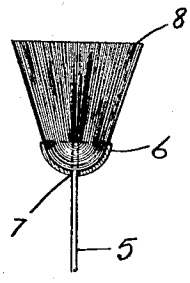


FIG. 3.



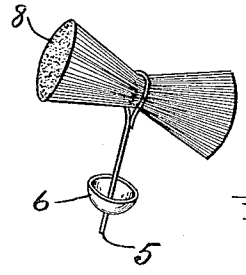


FIG. 4.

WITNESSES:

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UNITED STATES PATENT OFFICE.

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NASAL TAMPON.

1,133,770. Specification of Letters Patent. Patented Mar. 30, 1915.

Application filed August 13, 1914. Serial No. 856,528.

To all whom it may concern:

Be it known that I, CARL R. WEDLER, a citizen of the United States of America, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Nasal Tampons; and I hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

This invention relates to new and useful improvements in nasal tampons.

The object of this invention is to provide a device of the character indicated by means of which any desired remedy may be applied directly to the inner surface of the nose or held in the nasal passages so that it may be inhaled and carried through the connecting passages.

A further object of my invention is to render said device capable of being utilized as an air-strainer or dust-shield to prevent dust or other foreign matter being drawn through the nasal passages and taken into the lungs.

With these objects in view and to the end of attaining other advantages hereinafter appearing, this invention consists in the features of construction and combination of parts hereinafter described in this specification, pointed out in the claims, and illustrated in the accompanying drawings.

Referring to said drawings, Figure 1 is a view in elevation of a tampon embodying my invention. Fig. 2 is a sectional view of one of the pledgets on an enlarged scale and the retaining cup therefor. Fig. 3 is a section on line 3—3, Fig. 2. Fig. 4 is a perspective view showing one step in the manufacture of the device as will be more fully hereinafter explained.

Again referring to the drawings, 4 indicates the frame or connecting member of my device. This member consists of a length of fine wire which is bent in the form of a yoke and preferably made flexible so that the spacing of the leg-portions 5 of the member can be adjusted to suit the thickness of the septum or dividing wall between the nostrils of the nose.

6 indicates a cup which is provided in the bottom with a hole or opening 7 having a larger diameter than the diameter of the wire which forms the frame 4. This cup is preferably bell-shaped and may be made of any fine metal or celluloid. The cups 6 form the bases or supporting members for the pledgets 8 which may be made of cotton, lint or any similar material. In forming a pledget a tuft of cotton or lint is prepared having a length equal to about twice the depth the pledget is to have when completed and the tuft is then folded on itself before being placed in the cup.

In assembling my device I proceed as follows: The end of each leg 5 of the frame 4 is passed up through the opening 7 in the cup 6 which is to be mounted on the leg and the end of the said leg is then looped around the tuft which is to form the pledget at the center thereof and the leg is then drawn down in the cup, drawing the folded portion of the tuft into the cup and seating it in the bottom thereof. The free end of the leg will then project through the opening in the bottom of the cup and the said projecting end is bent up on the outside of the cup, as shown at 9, after which the wire is pulled down so as to tighten the loop around the tuft. When the loop is tightened around the tuft the threads or filaments composing the tuft will conform to the shape of the cup which will cause the upper or outer ends or portions of the tuft to flare out so that the diameter of the pledget at its end is considerably larger than at its base. Therefore when the pledgets are inserted in the nostrils the outer portions thereof will snugly and resiliently engage the walls of the nostrils.

It will be readily seen that by my construction I am able to mount the tufts of lint or cotton or the like which form the pledgets so that they do retain their natural resiliency and are not compacted into a wad. Therefore when the tampon is inserted in the nose the pledgets form a perfect dust-shield, but in no way interfere with easy respiration through the nostrils. Also by my construction it is possible to readily renew the pledgets from time to time as it may become necessary.

What I claim is:—

1. In a nasal tampon, the combination of a flexible U-shaped frame, a cup mounted on each leg of said frame and a pledget secured in each cup, the fibers of the pledgets flaring upwardly and outwardly for the purpose set forth.

2. In a nasal tampon, the combination of a flexible U-shaped frame, a cup mounted on

each leg of said frame and a pair of pledgets, each pledget consisting of a tuft folded at its center and detachably secured at the fold in one of said cups.

3. In a nasal tampon, the combination of a pair of cups, each cup having an opening in the bottom thereof, a U-shaped connecting frame, said frame having one leg extending through the opening in the bottom of each cup, and each leg being provided with a loop where it extends into the cup, and a pledget arranged within each cup and having the central portion thereof encircled by the loop therein.

4. In a nasal tampon, the combination of a pair of cups having openings in the bottoms thereof, a U-shaped connecting frame formed of fine wire and having the legs thereof extending through the bottoms of said cups, each leg being provided with a loop within the cup thereon and the free end of said loop being arranged to engage with the edge of the opening in the bottom of said cup, and a pledget consisting of a tuft of lint or cotton folded upon itself seated in each cup and with the center portion thereof arranged within the said loop, for the purpose set forth.

5. In a nasal tampon, the combination of a flexible U-shaped frame formed of fine wire, each of the legs of the said frame being provided at its upper end with a loop, and a pledget mounted in said loop.

6. In a nasal tampon, the combination of a flexible U-shaped frame formed of fine wire, each leg of said frame having a loop at the end thereof, a tuft of cotton or lint arranged in each loop, each tuft being folded upwardly around the loop, and means for retaining the tuft in its folded position for the purpose set forth.

In testimony whereof, I sign the foregoing specification, in the presence of two witnesses.

CARL R. WEDLER.

Witnesses:
B. C. BROWN,
H. T. GETTINS.

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