

UNITED STATES PATENT OFFICE.

JOHN P. SHEPHERD, OF CHICAGO, ILLINOIS, ASSIGNOR, BY MESNE ASSIGNMENTS, TO
SHEPHERD CHEMICAL COMPANY, A CORPORATION OF ILLINOIS.

TOOTH PASTE.

No Drawing.

Application filed February 20, 1920. Serial No. 360,024.

To all whom it may concern:

Be it known that I, JOHN P. SHEPHERD, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in a Tooth Paste; and I do declare that the following is a full, clear, and exact description of the same.

This invention relates to tooth pastes and has for its object the provision of a tooth-paste which possesses not only a mild abrasive and (or) detergent action but also antiseptic properties.

For this purpose free iodine may be used to advantage on account of its strong antiseptic action. In some cases cholesterin may be employed to aid in the absorption of the iodine by the gums and portions of the teeth though this is not essential. Usually 1 to 3% of free iodine will give the action desired.

The paste may be given mechanical cleaning properties by the use of mild abrasive material such as prepared chalk. A small amount of soap may be added, if desired, to increase the cleansing action of the paste.

Sweetening and flavoring materials as well as perfumes may be added such as sugar, honey, licorice root, menthol, thymol and oil of wintergreen.

Finally the dentifrice may be given a pasty consistency by the addition of such materials as glycerine or petrolatum.

As examples of two suitable mixtures the following may be given:

Example No. 1.

	Per cent.
Iodine	1½
Cholesterin	8
Prepared chalk	35
Glycerine	20
Powdered sugar	16
Potass. citrate	1
Licorice root	12
Menthol	6½
Oil of wintergreen	
Thymol	
Honey	
	100

Example No. 2.

	Per cent.	
Iodine	2	55
Cholesterin	12	
Prepared chalk	9	
Soap	10	
Petrolatum	60	
Honey	6	60
Odors g. s.	1	
	100	

While I have described my invention in a preferred form, I am aware that various changes and modifications may be made in the ingredients employed and the proportions and manner in which they are mixed without departing from the principles of my invention, and I do not therefore purpose limiting the patent granted hereon otherwise than as necessitated by the prior art.

I claim as my invention:

1. A dentifrice including an antiseptic substance, a soft abrasive and cholesterin.

2. In a dentifrice, cholesterin and iodine, constituting together less than ten per cent of the whole.

3. A dentifrice including iodine, cholesterin and a soft abrasive.

4. A dentifrice including cholesterin and a soft abrasive.

In testimony whereof I have hereunto subscribed my name in the presence of two subscribing witnesses.

JOHN P. SHEPHERD.

Witnesses:

RIDSDALE ELLIS,
EARL M. HARDINE.