

# UNITED STATES PATENT OFFICE.

ALFRED CLARK, OF MONTPELIER, VERMONT.

## DENTAL ANODYNE.

SPECIFICATION forming part of Letters Patent No. 420,186, dated January 28, 1890.

Application filed July 19, 1889. Serial No. 318,069. (Specimens.)

*To all whom it may concern:*

Be it known that I, ALFRED CLARK, a citizen of the United States, residing at Montpelier, in the county of Washington and State of Vermont, have invented a new and useful Composition of Matter to be Used for Removing the Sensibility of the Gums and Jaw in Extracting Teeth, of which the following is a specification.

10 My composition consists of the following ingredients combined in the proportions stated, viz: chloride of sodium, two grains; hydrochloride of cocaine, two hundred grains; chloral, one grain; essence of peppermint, one  
15 grain, and carbolic acid, one-half grain. The dose for use when teeth are to be extracted must vary with the case in hand, as from two to five minims. The salt in this composition lessens the soreness and swelling of the jaw.

20 The carbolic acid is useful in cleansing any ulcer or abscess and will hold nausea in check. The peppermint, as well as the carbolic acid, will resist this feeling of sea-sickness which cocaine alone might cause. If  
25 the cocaine were used alone, it might also cause a swelling of the tissues of the jaw and face. These ingredients are to be thoroughly mingled by agitation. In using the above-

named composition apply it to the gums near the teeth to be extracted, and also inject it 30 into the gums from three to seven minutes before beginning the operation of extracting the teeth.

By the use of the above-named composition the sensibility of the gums and jaw is re- 35 moved and the teeth extracted without pain to the patient, who retains his or her senses unimpaired. Invalids suffering from heart disease or other ailments that prevent the use of chloroform, ether, or gas can safely 40 use the above composition, and in many such cases the patient will receive positive benefit from its use.

What I claim, and desire to secure by Letters Patent, is—

The herein-described composition of matter or dental anodyne to be applied to the gums before extracting teeth to remove the sensibility of the gums and jaw, consisting of chloride of sodium, hydrochloride of cocaine, 50 chloral, peppermint, and carbolic acid in the proportions specified.

ALFRED CLARK.

Witnesses:

T. J. DEAVITT,  
R. R. RIKER.