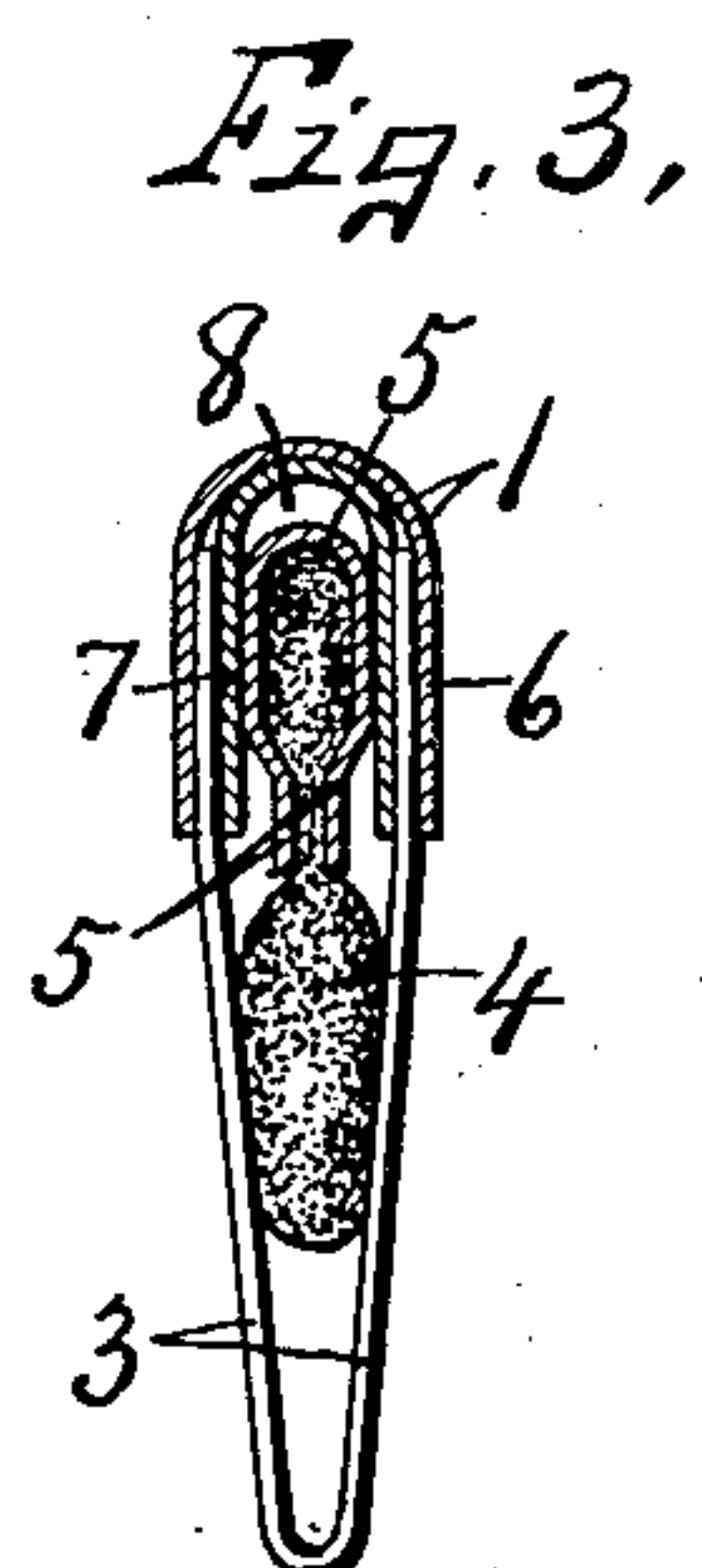
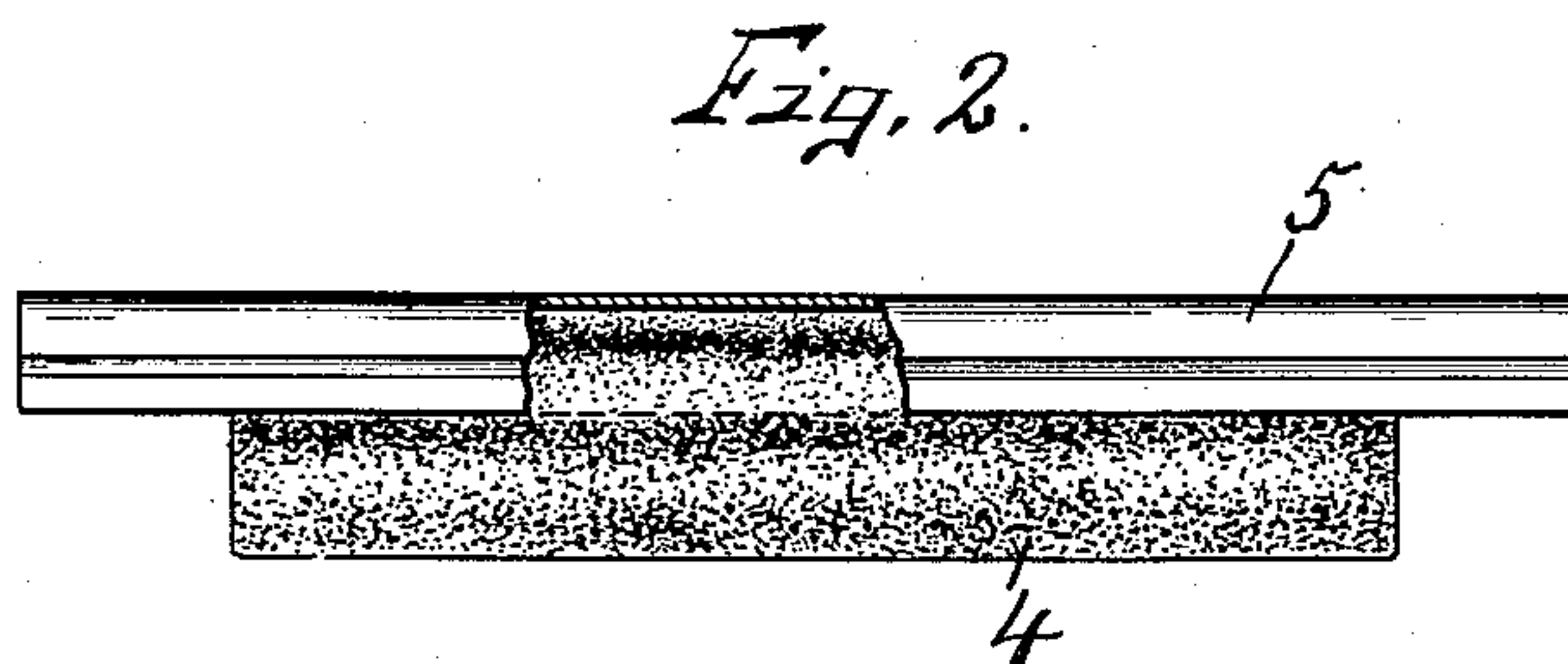
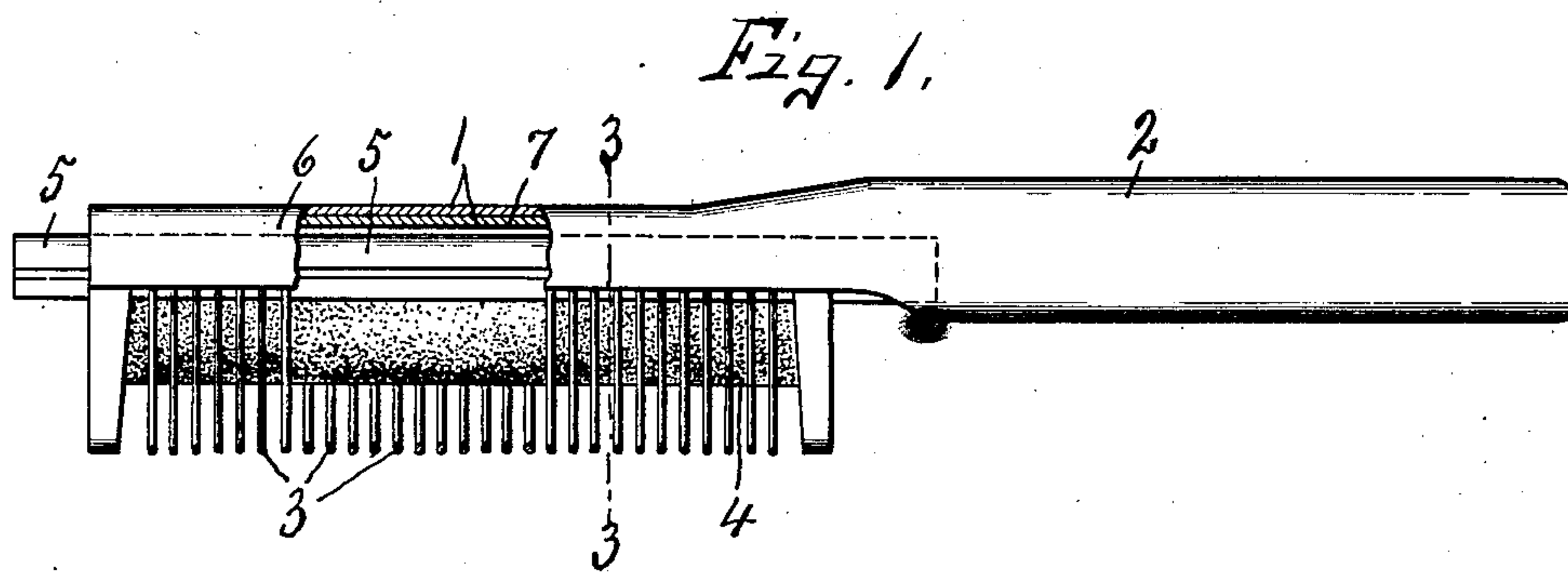


M. E. WAITE.
HAIR DYEING COMB.
APPLICATION FILED JULY 27, 1908.

945,647.

Patented Jan. 4, 1910.



Witnesses.

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MERTON E. WAITE, OF SYRACUSE, NEW YORK.

HAIR-DYEING COMB.

945,647.

Specification of Letters Patent.

Patented Jan. 4, 1910.

Application filed July 27, 1908. Serial No. 445,503.

To all whom it may concern:

Be it known that I, MERTON E. WAITE, of Syracuse, in the county of Onondaga, in the State of New York, have invented new and useful Improvements in Hair - Dyeing Combs, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to an improved hair dyeing comb comprising in this instance, a comb and a dye retaining body extending lengthwise of the comb and intersecting the teeth thereof.

The primary object of the invention is to enable the hair to be colored or dyed during the operation of combing by equipping a comb with a dye retaining body preferably of absorbent material being capable of saturation with a liquid dye or coloring matter. It is intended, however, that the same device may be utilized for applying any liquid substance, such as oil, or any lotion for the scalp or cuticle treatment. The main object, however, is to support a dye retaining absorbent body within or between the teeth of a comb, in such manner that the dye or coloring matter will be applied or transmitted to the hair during the act of combing the same.

Other objects and uses relating to the particular parts of the device will be brought out in the description.

In the drawings—Figure 1, is a side elevation partly in section of a hair combing device embodying the main features of my invention. Fig. 2, is a similar side elevation of a detached dye absorber and its retaining frame or clamp. Fig. 3, is an enlarged transverse sectional view taken on line 3—3 Fig. 1.

This comb comprises essentially a back piece, —1— having a suitable handle —2— and teeth —3—, the back piece and teeth being arranged to receive and retain an absorbent body —4— of felt or other equivalent material, which is separately retained in a suitable clamp —5—.

The back piece —1— preferably comprises two U-shaped bars —6— and —7— of sheet metal of similar form and dimensions nested one within the other, and secured together with their longitudinal edges at the open side spaced a slight distance apart for receiving and retaining between them the ends of the teeth —3—. These teeth preferably comprise

V-shaped bars of wire of comparatively small gage, having their ends secured to and between the back sections —6— and —7— although it is evident that the back of the comb may be made of a single piece of any other suitable material having openings for receiving and retaining the ends of the wire teeth —3—. The handle which is preferably integral with and forms a continuation of the outer back section —6— is formed by bending this portion of the bar —6— upon itself to give a neat and finished appearance to the comb.

The opposite sides of the back piece —1— and also the opposite sides of the teeth —3— are spaced some distance apart for receiving between them the absorbent body —4— and its clamping head —5—, the space between the opposite sides of the back —1— forming a guide groove —8— which is open at both ends, or at least at the end opposite that to which the handle is secured for permitting the insertion and removal of the absorbent body —4— and its clamping head —5— to and from its operative position.

The clamping head —5— preferably comprises a bar of sheet metal bent upon itself and upon the opposite sides of a portion of the absorbent body —4— the longitudinal edges of the said bar being crimped or depressed toward each other to compress the center portion of the inner body —4— and thereby firmly retain it in the clamping head —5—. The length of the absorbent body —4— is substantially equal to the toothed portion of the comb, and when assembled in a comb extends downward some distance below the open side of the back —1— and between the opposite arms of the teeth —3— where it is retained against undue displacement by said teeth, and at the same time is free to contact with the hair to transmit the dye thereto during the operation of combing the hair. The clamping member —5— is somewhat longer than the absorbent body —4—, so as to protrude some distance through and beyond the open end of the back piece —1— when assembled for use, thereby affording a handle whereby the absorbent body may be inserted into and removed from the comb proper. The vertical depth of the clamping member —5— is considerably less than that of the absorbent body —4— so as to leave a considerable portion of the latter free to flex

under contact with the hair, and to thereby distribute its coloring matter or dye more evenly around and upon the hair.

5 The association of the absorbent body with the teeth of the comb in the manner described is particularly effective in transmitting an even distribution of the dye upon the hair for the reason that the teeth of the comb agitate and separate the strands of
10 hair one from the other, and at the same time come in contact with the dye containing absorbent body —4—.

The particular form and arrangement of the back piece and teeth are preferable but
15 it is evident that the absorbent body may be otherwise associated with the teeth of the comb, without departing from the spirit of my invention, and therefore I do not hold matters to the precise arrangement shown
20 and described except as required by the scope of the appended claims.

What I claim is:

1. In a hair dyeing comb, a back-piece comprising two members of substantially
25 inverted U-shape in cross-section nested one within the other and the outer of which is prolonged to form a handle, the sides of said members spaced apart at their lower edges,

comb-teeth formed of wires bent to V-shape with the ends of the wires received and held 30 between the sides of the back-piece, a clamp fitting within the inner member of the back-piece, and a flexible dye containing body carried by said clamp and extending transversely of and between the arms of the 35 teeth.

2. In a hair dyeing comb, a back-piece comprising two members of substantially inverted U-shape nested one within the other and the outer of which is prolonged at one 40 end beyond the inner member to form a handle, comb-teeth formed of wires bent to substantially V-shape and having the free ends of their arms received and held between the sides of the back-piece members, 45 a clamp slidable within the back-piece, and a dye containing body carried by said clamp, the sides of the clamp being compressed into the dye-containing body to securely hold the latter. 50

In witness whereof, I have hereunto set my hand this 25th day of July, 1908.

MERTON E. WAITE.

Witnesses:

H. E. CHASE,
HOWARD P. DENISON.