

No. 714,447.

Patented Nov. 25, 1902.

M. H. BROWN.

METHOD OF MOUNTING STONES, &c., IN CELLULOID.

(Application filed Sept. 15, 1902.)

(No Model.)

Fig. 1

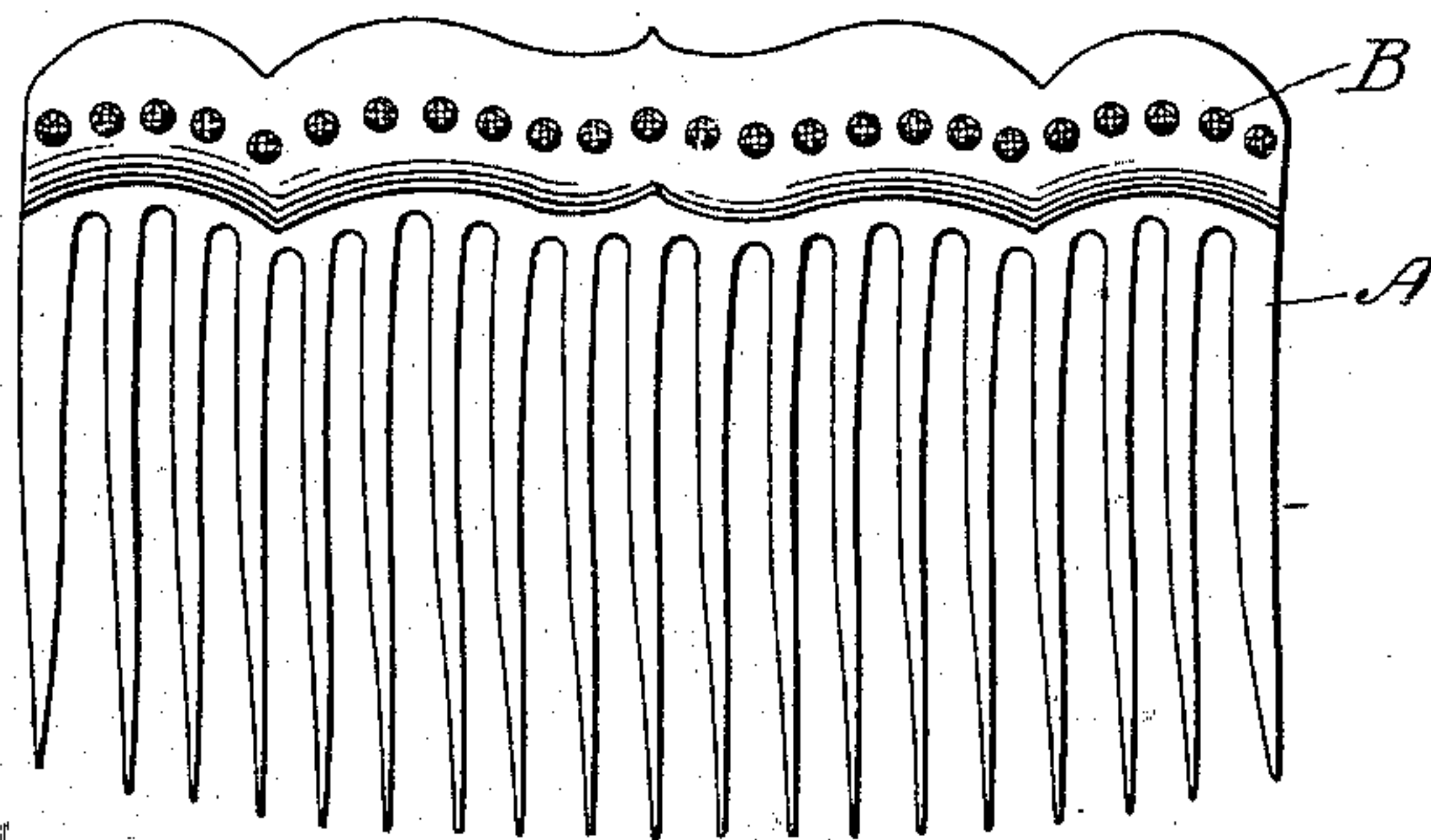
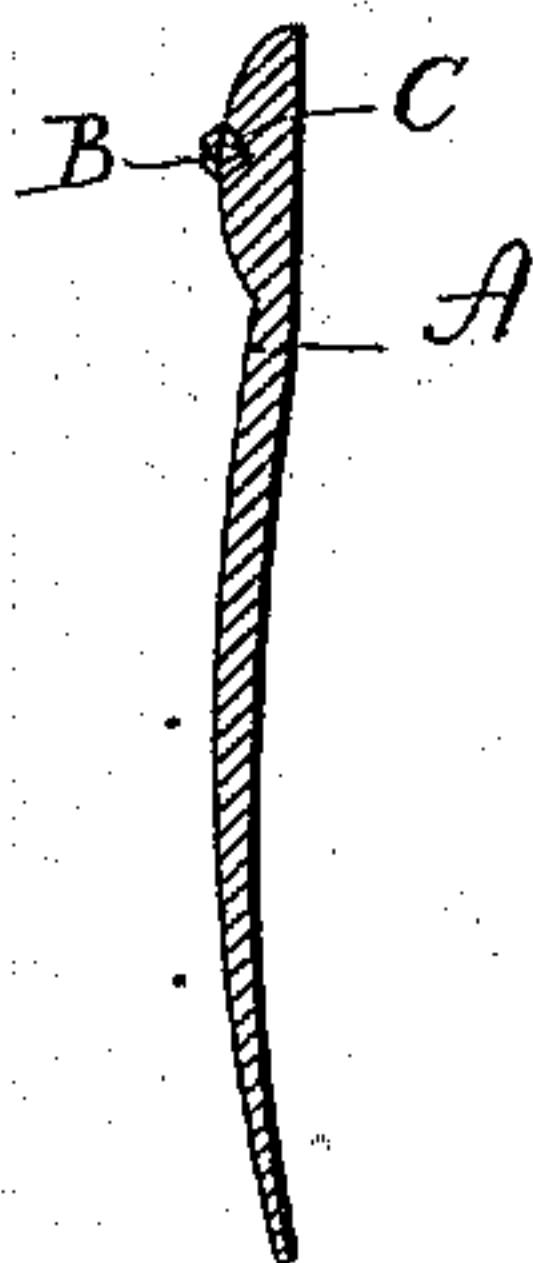


Fig. 2



Witnesses:

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UNITED STATES PATENT OFFICE.

MARTIN H. BROWN, OF MERIDEN, CONNECTICUT, ASSIGNOR TO THE E. A. BLISS CO., OF MERIDEN, CONNECTICUT, A CORPORATION.

METHOD OF MOUNTING STONES, &c., IN CELLULOID.

SPECIFICATION forming part of Letters Patent No. 714,447, dated November 25, 1902.

Application filed September 15, 1902. Serial No. 123,447. (No specimens.)

To all whom it may concern:

Be it known that I, MARTIN H. BROWN, of Meriden, in the county of New Haven and State of Connecticut, have invented a new and
5 useful Improvement in Methods of Mounting Stones, &c., in Celluloid; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full,
10 clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a face view of a celluloid comb having stones mounted therein in accordance
15 with my invention; Fig. 2, a sectional view thereof.

This invention relates to an improvement in the method of mounting stones, metal, or
20 or other substances in celluloid for ornamental or other purposes.

Heretofore in mounting stones, such as rhinestones, in celluloid recesses have been formed in the celluloid and stones secured therein by cement. Metal pockets or strips of
25 pockets have been secured to articles of celluloid and stones mounted in those pockets, and ornamental strips of metal have also been embedded in celluloid and riveted in place. The object of this invention is a simple
30 method for mounting stones, metal, or other substances in celluloid without the use of cement or rivets; and it consists in the method as hereinafter described, and particularly recited in the claims.

35 For convenience of illustration I have shown a comb A, of celluloid, with a row of rhinestones B mounted therein. In mounting these stones a slight recess C will be formed for each stone, the recesses being slightly

smaller in dimensions than the dimensions of 40 the stone to be mounted. After thus forming the recess the celluloid in and around the recesses is softened by heat and the stones embedded in the soft celluloid, which is then
45 allowed to cool and as it cools contracts and holds the stones. If the stones are small, it may not be necessary to primarily form a recess for them, but simply soften the celluloid and embed the stones therein. This illustration of the mounting of stones in celluloid 50 will be sufficient to enable others to mount metal or other materials in celluloid, as the process would be the same.

Having fully described my invention, what I claim as new, and desire to secure by Letters 55 Patent, is—

1. The herein-described method of mounting stones, &c., in articles of celluloid, consisting in softening the celluloid by heat, embedding the stones or other articles therein, 60 then allowing the celluloid to cool, whereby the celluloid around the stones contracts, substantially as described.

2. The herein-described method of mounting stones, &c., in articles of celluloid, consisting in forming recesses in the celluloid, 65 then softening the celluloid by heat, and while soft embedding stones, &c., therein, and allowing the celluloid to cool, whereby it contracts about the stones or material embedded 70 therein, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

MARTIN H. BROWN.

Witnesses:

HARRY M. SMITH,
A. W. FRANKOWSKI.