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The following is a procedure for replacing teeth in an electric clock's fiber wheel.

Obtain some molding clay and try to make sure it is the softest you can buy. Take a piece that is larger around than the wheel and at least 1" in thickness.

Try to make the rounded piece of clay as flat and level as possible. Spray the top surface with a non-stick product like Pam. Take what's left of the fiber wheel and press it into the clay. Sink it just past the thickness of the wheel.

Allow the clay to harden and hopefully the Pam will allow you to easily remove the wheel once the clay has hardened.

Once the wheel is removed the spray the Pam in the impression. At this point make sure that the fiber wheel is extremely clean (ultrasonic is fine) and that no Pam is anywhere on that wheel.

Reinsert the fiber wheel making sure that the area where you need new teeth is "inside" the impression where the "good" teeth have made in the clay.

Pour a fiberglass impregnated epoxy into the area where the teeth are missing and allow to dry. Again the Pam should make removing the "fixed" wheel easy. (I've used quick setting J.B. Weld and it worked)

Once removed, then file the "new" tooth area just like you would when replacing brass teeth.

The result should be a "new" complete fiber wheel that will turn smoothly and keep the same integrity as the old because the reason fiber wheels were used in electric clock was to reduce gear and train noise.

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