EETH

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HEALTH.

BY JULIA A. BARBER.

THERE is a priceless jewel sent by Heaven To all who walk in Nature's holy way. I marked its glory, like the golden morn, That clothes the forchead of the earth with light;

Among the sons of men its shining track Was bright with gems of Peace, and Happiness, And in my heart I said, "How great and good The Father who bestows such blessed gifts To win the gratitude and love of all His wayward children. In the narrow way Of Virtue, Purity, and Truth, they all As keepers of a high, and sacred trust,"

On shifting sand.

For vanity and sin, For folly and for Fashion's glatting show, This gift of God is rudely cast away. And yet how poor a recompense is this A passing dream-an hour of sin and prote-And then with weary heart to backward gaze On life's lone waste, a pathless wilderness Where we may vainly seek, with outstretched hands,

To wander but to happiness, and God.

The wasted lives that lay on l'ashion's shrine Their gifts divine, yea, and their hopes of Heaven,

Are passing downward to the gates of Death. And is the boon of life so poor a thing That the best powers of the God-like mind Are wasted in perverting this great gift? We know not of the wealth that sleeps within, Unconscious energy of heart, and mind. Prisoned and tortured in these mortal bars. Why then degrade the casket that enshrines The soul, so rich in its commune with God?

Diamonds may sparkle on the bly brow Of Fashion's votary, and costly garb May seek to beautify His last, best work, As though 'twere possible to deck the flow'rs But give to me that peal of greater price, That gem of health, so little valued now, That glitter'd on the brow of Industry, And blest the loving hearts of "long ago." Orwell, VI.

For the Journal of the Times. HOW ARTIFICIAL TEETH ARE MADE.

mineral block teeth are composed of mineral nature. have the appearance of a cream-colored clay, the dental art. and when once prepared they are, for obplan, so that when the dentist requires a under set.

tooth or a set of teeth of a light shade he uses a body of a low number.

is in some degree transparent, so that the ready for the enamel. light or dark shade of the gum is produced by the selection of a light or dark body.

Before proceeding further it may be proper to consider the steps preparatory to in- ly baked. serting a set of teeth. All the old teeth, roots and so forth, should be removed (except where sound teeth are allowed to repartial sets), and the rough edges of the jaw, produced by the removal of the teeth, Will surely tread, and went this priceless gent allowed to absorb, and the gums to become hard and healthy. In cases where it is de-Alas! The faith that whisper'd thus was built sired, a temporary set on silver is worn a permanent set of teeth.

When the patient presents him or herself For life's great blessing, health, forever lost! after the above proparation, the first care of the dentist is to see that the jaws are in a fit state, and that there is no harking disease. Small pieces of plate, called backs, are to give trouble at some future time. Having then fitted by means of the platina pins to made his calculations in accordance with the backs of the teeth—the backs' just circumstances of the case, the dentist then touching the plate His hand hath wrought, and in de so beautiful! wax upon it to represent the length and repeat his labor till he gets a perfect set. thickness of the teeth. From the plate, a plaster cast is made representing the jaw. thickness of the proposed teeth. or preparation is called a carving model. The before mentioned body is then by skilful manipulation placed upon the model and The artificial teeth commonly known as the teeth marked out and carved to imitate days.

different from either that of the enamel or taste, he need not lool for success in this away in such a manner as to make them the gum. The body or hodies, when mixed, important but little understood branch of perfectly easy and comfortable to the person

vious reasons, kept wet till used. The ho- from one piece of body called a block, and other in such a way as to render them serdies are numbered according to a recognized four of the blocks compose an upper or viceable for mastication and for all purposes

After the teeth have been taken from the model, and small platina pins are inserted The enamels are arranged and used in a whereby to attach them to the plate, they similar manner. The gum or gum enamel are thoroughly dried, after which they are

After being carefully enameled they are placed in a furnace, heated to a white heat. and there allowed to remain until sufficient-

To superintend the baking of teeth remires experience, care and patience,-for if they are baked too hard or not enough main, as in cases suited to the insertion of they are abke useless and all the labor must be done over again.

After the teeth have been taken from the furnace they have then to be fitted and attached to the plate, which is first done by placing soft way on the inside of the teeth year or so-after which time the mouth is and plate. The plate with the teeth temready to receive what is usually termed a porarily attached is then covered up with plaster mixed with water, leaving the wax only exposed. In a short time the plaster becomes dry, and the wax is removed, leaving the teeth firmly imbedded in the plaster.

Small pieces of plate, called backs, are Solder is then placed proceeds to take an impression of the mouth upon the backs and the adjoining part of in wax or some plastic material-and from the plate, when the whole-plaster, plate, this he makes a model of the mouth of plas- teeth and solder-are placed over a slow ter of Paris; and from this again he makes fine, gradually increased till the whole is metallic dies of lead, zinc, or Babbit's metal, heated sufficiently hot to solder, at which with which he swages a plate (previously time it is placed under the blast of a blow-shaped and annealed) so as to fit the plast pipe, and the backs, and consequently the ter cast, and therefore the mouth. The plate is then placed in the roof of the mouth, teeth are then very carefully cooled and and if the arch be high, and the plate skil-placed in sulphuric acid which partially fully prepared, it will adhere very tenacious- cleanses them. The dentist then very carely to the roof of the mouth, by suction or fully examines the teeth to see if any of atmospheric pressure. When the plate is them are cracked by the operation of solder-fitted the next thing to be done is to arrange ing; and if he finds them cracked he must

To finish the teeth all the jagged and after it has been removed from the mouth, rough pieces of solder must be filed off by hand or by machinery; and by several proand, by the aid of the wax, the length and cesses, which may not here be mentioned, This east the plate becomes smooth and receives a brilliant polish.

The time consumed in manufacturing a set of artificial teeth is usually four or five

After the teeth are made they have then substances according to certain formula. If a dentist nave not a quick perception, to be fitted in the mouth; and where they The formula for the body of the tooth is with large imitation, correct and artistic give uneasiness they are either filed or cut wearing them. The upper and lower set of Usually three or four teeth are carved teeth have then to be antagonized with each for which a set of artificial teeth is designed.

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