

Q.—You use porcelain faces. Which way do you bevel the top of them?

Dr. Melotte—Inwards. You must be careful and not let them solder; and, the worst thing in the world to crack porcelain is that sifting on of borax. It seems to me I do not use a 50th part as much borax as I have seen other men use. They appear to have a salt cellar and sift it on. I never use borax in that way. I rub onto one of these. You will find one of these wheels very nice for borax. All the working jewellers just get one of these carbon running wheels and make a creamy condition of borax right in this way. I think that will do very well. When I was packing up I put one of these in, and thought it would be a very good thing for grinding borax. A very coarse stone, such as a flat surface, tapering at the end, for sharpening scythes; I use one of these at home; it is rather narrow, but I like the coarse grain. A finer stone takes longer to grind, and a stone absorbs moisture; of course you can put on blotting paper, or make a little box and put the blotting paper in the bottom of it. This will keep the stone wet longer. I always use it the same as the working jeweller, a creamy borax, never using dry borax.

Q.—I understood you united the top of the band without solder?

Dr. Melotte—I told you I united this band without solder, but I can put a cap on that which will hold 20 karat gold, and with a blow-pipe I think I can weld it. I can put a square piece on there and make the edges creep right up and contour to the blow-pipe and weld it. I might burn it through. I have done that; but that is dexterous use of the mouth blow-pipe. I am glad to find that the use of the mouth blow-pipe is established here, instead of the bellows. No student of mine can ever use a bellows and do crown work.

I see the compliment has been paid me, that in Canada here you have copied my blow-pipe and improved it a little. Here is one of mine, and here is the other; they look very much alike. Of course there was no patent obtained in Canada, and you had a perfect right to copy a blow-pipe, as perhaps some other things are worthy of copying that you find in the United States. A good deal is not worth copying anyway.

Q.—Would the driven crown serve the purpose as well as a made crown?

Dr. Melotte—I never put on one of these ready-made crowns in my life.

Q.—With two or more dummies how do you strengthen the bridge?

Dr. Melotte—Two dummies coming together, I fill in sufficient here to make it one continuous bridge; putting small pieces always in the place where we put the cup in this soldering pad; a