TO FIT A BOUCHON.

After repairing the pivot, a bouchon is selected as small as the pivot will Open the hole of the plate or cock so that the bouchon, which proviously should be lightly drawfiled at the end, will stand with a slight pressure upright in the opened hole of the plate or cook, then, with a knife, cut it across at the part where it is to be broken off so that it may break very readily when required to do so. tious way than using the turning lathe.

TO RESTORE THE COLOR OF NICKEL MOVEMENTS.

correspondent of the journal Suisse d' horlogerie recommends the following method: Take 50 parts of rectified spirits of wine, I part of sulphuric acid, and I part nitric acid. Dip the pieces for about 10 to 15 seconds in this composition, then dip them in cold water, and afterwards in rectified 'spirits of wine. Dry them with a piece of fine linen, or in sawdust. Nickel and the greater part of those metals liable to tarnish, may be restored to their primitive color by dipping in the following bath: Dissolve in a half a glass of water, 6 or 7 grains of cyanide of potassium; plunge the pieces in this solution and withdraw them immediately. As to which it was manufactured in Gormany, the cyanide mixes well with water, it is was unknown in England, and Bessemer, sufficient to rinso them once in the latter after two years' work, built machinery for to destroy any trace of the cyanide. Af- manufacturing it, of which five produced ter, this, dip the pieces in spirits of wine, as much as 60 skillful workmen could. and dry them in boxwood dust, in order The machines were built in pieces in formerly carried on by Messrs Schwarz & to keep them from rusting The balance rations shops, and by Bessemer himself even together with its spring, can be put together in nine months. No one subjected to this operation without any beside the inventor himself and five danger. If the pieces to be restored are trusted workmen has ever entered the

because it will not touch grease. Cyanide of potassium, being a violent poison, great care has to be exercised, and the operation should be performed in a well | factory with all its business to the two ventilated place. The same bath can be preserved in a bottle, and serves for a long time.

PERPLEXITIES OF THE CLOCK WINDER

The principal of a college had charged Press it an old man with the care of the steeple a the plate on the side the pivot works, clock of the seat of learning. In a short broak off, and then drive it home with a time afterward, the later presented himsmall center punch. In every repair of self before the principal with a woe-begone this nature, notice should be taken of the face. "Well, my man, why do you comamount of end shake of the pinion, and plain-is it too much work to wind up allowance made by leaving the bouchon the weights?" "No, not that," he reso that any excess may be corrected. To plied, " if the clock don't go fast enough, finish off the shoulder end, a small cham- especially at noon, I have all the students fering tool should be used. It has a of the college swearing at me, and in hole smaller than the pivot one to receive order to content them. I move the hands a fine brass wire, serving as a center to forward; but the townspeople, on the prevent the tool from changing its posi-jother hand, complain that the clock goes tion while being used, or the wire may too fast, and I set the hands back to satbe put through the bouchon holes, and isfy them; so between the two I am then the hole of the tool may be left always in hot water, and I would prefer open. The above is a far more expedi-| some other job." The principal in trying to console him, said: "I will give you one piece of sound advice. Let the clock go of its own accord, as the watchmaker has regulated it; do not try to suit everybody and you will live in peace."

BRONZE POWDERS.

"It is perhaps, little known," says the Chemische Zentral Anzeiger "that the celebrated inventor of the Bessomer steel preparing process, Henry Bessemer, invented in early youth a method of manufacture, and the most remarkable fact is that he kept the process a secret for more than 40 years. The different bronze powders were in the first third of this century sold at enormously high prices, in spite of the cheapness of the material from which they were manufactured. The process, according greasy, they must be cleaned with ben-working-room, so that even to-day, after wholesale jewelers, of Montreal, dissolved last zine before being dipped in the cyanide, 40 years, no one has yet witnessed how month by mutual consent. Each of the part-

the bronze powders are manufactured Three of his assistants have died, and Bossemer a few years ago, presented the survivors as a reward for their fidelity.

EAR DISEASES.

In a recent number of the Archice for Ohrenkeilkunde, Dr. Buskner gives an in. teresting result of inquiries made by himself and other aural surgeons, as to the statistics of ear diseases. They may be summed up as follows. One out of every three persons in middle life does not hear so well with one car as with the other. An examination was made of 5,905 school children, of whom 23 per cent. presented objective pathological smyptoms of ear disease, and 29 per cent. a diminution of hearing power. The liability to discase in the ear increases from birth to the fortieth year of age, and decreases from thence to old age. Men are more subject to ear affections than women, in the proportion of three to two. The external ear is affected in 25 per cent, of sufferers. the middle ear in 67 per cent., and the inner ear in 8 per cent. of total diseases. The left ear is more frequently affected than the right, in the proportion of five to four. Acute affections of the middle ear occur less frequently in summer and autumn than in spring and winter, and of the total number of cases in the ear clinics, 53 per cent. are cured, 30 per cent. are improved, ? per cent. are unimproved, and three-tenths of 1 per cent end fatally.

SPECIAL NOTICE

Jewelers throughout Canada will oblige the Editor by sending in to this office for insertion in these notes any items of news pertaining to the Jewelry business that they think would be of interest to the Trade generally.

BUSINESS NOTES.

Mr. JOHN W. CAMPBELL, buyer and traveller for the firm of Rothschild & Co., of this city called on us the other day. He reports trade fairly good, and looks forward to something better in the near future.

WE LEARN by circular that the business Reinhardt of Montreal, as manufacturers of jewelers' cases and supplies, has been bought by the Reinhardt Mnfg. Co., who will carry it on in fature.

THE FIRM OF MESSRS. E. & A. EAVEL