This was the fact however, and it is because they have got so k of this feelish and losing game that they have formed a combination and have advanced the prices to such a rate as will has been devised by Leclero. The glass, having at least give them from loss on the goods, they sell. The Association is a very strong one and embraces the Waltham, Keystone, Faheys. Fueber, and Blauer Companies. This advance is a step in the right direction and now that the manufacturers have set such a good example the jubbers and retail dealers should see that they also make the profit that they should reasonably expect from the sale of such staple goods. There's no more use of selling goods for the fun of selling them, and the sooner the trade gets back to sound profits the better for everyone in it.

TRADE WATCH REPAIRING -We direct the attention of our readers to the announcement of Mr. C. W Coleman in another column. Mr. Coleman is one of the most experienced workmen in Canada, and guarantees satisfaction

WORKSHOP NOTES.

ENGRATERS CEMENT. - Resin. 1 part, brick, dust, 1 part; mix with heat.

ENGRAVERS BONDER WAX Becswax, 1 part pitch, 2 parts; tallow, 1 part; mix.

CEMENT FOR MARRIE -The following is a good recipe for preparing a coment that will unito Paris plaster.

GERM IN SILVER .- An excellent German silver is prepared by smelting in a crucible 55 parts copper, 23 nickel, 17 zine, 8 iron and 2 tin. This composition is in every respect equal to silver in appearance, fully as hard and not as vitreous.

solution will be found to produce a high brilliancy in silver work Cream of tartar 30 parts ; sea salt, 30 parts, sulpliate of alumins and potash, each 39 parts, water 1 500 parts. Boil the article in this mixture.

CLEANING SILVER FILIGREE WORE -Anneal your work over a Bunsen flame or with a blow pure, then let go cold (and this is the secret of success), and then put in a pickle of sulphuric acid and water, not more than five drops to one ounce of water, and let your work remain in it for one hour. If not to satisfaction, repeat the process. This is undoubtedly the best process that can be used

EXAMELING ON BRASS AND GERMAN SILVER .-The adhesion of enamel to brass and German silver it is said, may be most perfectly effected by first engraving or pressing the design to be enamoled into the alloy, and then coating the whole object, or only the depressed design, galvanically with copper The enamel can be fused upon this surface as usual, and may then be bronzed, or sil vered, or treated in any usual way

CHARCEAL The charcoal used in soldering nor, in fact, any other charcoal used by the gold grandest piece of international fraternity, they smiths should not possess the evil habit of vie transacted their business in a business-like manmusty snapping and cracking. Coal burned from | ner, not so a body of savans, however; each one of | cak, or any other course grained wool, will snap , them has some hypothetical theory, upon the reand crack, while a close, fine-grained, soft word cognition of which by all he bases his glory eversnap taken out by being heated very hot in an to act in harmony.

as to force the makers to sell at and below cost. oven or by blowing the flame with a blowning upon it.

> MIRROR LIKE DESIGNS ON CLASS. - An ingenious method of obtaining mirror-like designs on glass been silvered by the chemical process, is coated with a thin and uniform layer of sensitive bitumen, and this is exposed under a transparency, the next step being to wash away the unaltered | Complicated Watches repaired, adjusted and bitumen with oil of turpentine, so as to leave the bitumen dougn on the ailvered glass. The application of moderately strong nitric acid removes the silver, excepting where it has been protected by the bitumen, so that the metalic design shows like a mirror from the reverse side of the glass. The plate may be backed by paint or any other suitable material.

OTHER NOTES.

EFFECTS OF DIFFERENT KINDS OF ILLUMINA-TIONS .- The fallow candle is the most unhealthy kind of illumination, while the electric light is the best. The latter produces only one-thirteenth part of the heat generated by a tallow candle and emits no carbonic acid or water. One ges flame is said to vitiate the air of a room as much as six persons do with their corporeal exhalation and breath.

Torazes .- A remarkable discovery of topazes was made lately in New South Wales. A portion part of wax and mix the solution with 4 parts of the Colonial Museum. Several crystals of 2 to 3 inches were found in Uralis. One specimen of topas; found in Gundagai, weighted more than If ounces, and another one, ic and in Gulgong, weight 18 ounces.

GERMAN PEARL FISHERIES .- The German postl LIGHT FOR CLEARING SILVER. - The following fisheries of Saxony and Bohemis, which were formerly very remunerative, are barely worth mentioning at present, as they are rapidly destroyed both by the natural expidity of man and the filthmess of the streams. The department of the intorior lately called the attention of the officials charged with the preservation of these grounds to existing laws, and exacts of them to energetically oppose the wholsale destruction.

> STANDARD MERIDIAN .- It is rather to be deplored that the international conference for establishing the prime standard meridian has adjourned without coming to any agreement. The meridian of Greenwich being almost universally used in the civilized world, and the basis of nearly all the moridianal calculations was proposed, but the French representation "kicked" against it, and, therefore, no satisfactory results were obtained. The world could not well get along without a body of scientific men, but it is rather sad to contemplate that each one of them has some pet theory of his own which he cherishes with all the love and devotion bestowed on a " hobby." lot of business men met in 1871 at Berne, and established the international postal union, the

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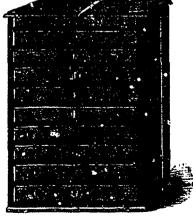
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