As I said before, my observations do not warrant me in saying that they are; but I would like to hear from others who are interested, as it is a subject of considerable importance.

RECEIPTS FOR MAKING HILL'S STOPPING, OXY-CHLO-RIDE OF ZINC, & WOOD'S FUSIBLE METAL.

HILL'S STOPPING.—The following is the formula of the inventor. With pure gutta-percha in a plastic state, are mixed, quick lime, two parts, and quartz and feldspar, one part each, which latter are reduced to an impalpable powder, and kneaded into the mass as long as it will receive them without becoming brittle. Dissolve the guttapercha in chloroform to almost a pasty consistence, then add the mineral substances and put into a vessel, suitable for evaporation of the chloroform. It should be made so thick that the silex would not fall to the bottom.

OXY-CHLORIDE OF ZINC.

Refined	Borax,1	part.
Quartz,	2	parts.

Triturate thoroughly in a mortar, then add gradually 45 parts of French Zinc white; when perfectly incorporated, calcine in Hessian crucible, at a good red heat, for eight or ten minutes. This forms a frit, which, when cool, must be ground very fine, in small quantities, at once, together with triffing portions of colouring matter, such as yellow ocre or burnt umber.

To 2 part of the pulverized frit, add 3 parts of calcined Zinc, and combine thoroughly in a mortar. Bottle and stop tight. The more recently it is made, the better.

SOLUTION FOR THE ABOVE.

Dry Salt	Chloride of	Zinc,1	ounce
Water,		6	drams
			Die

Dissolve.

WOOD'S FUSIBLE METAL.

Bismuth	15	parts
Lead	8	do
Tin	4	do
Cadmuim	3	do