

taken up. Add now to this half the quantity of water to be used, and filter into the other strong half, reduce now to forty grain strength, and add a few drops of a strong solution of carbonate of soda to neutralize any acid that may be present, filter and try. If it works all right add no acid ; if it fogs add one or two drops *nitric acid pure*. It will likely work all right. A forty grain bath requires eleven ounces of water to one ounce silver. For a long time we have used and advocated less Iodide in the bath. Our reason for changing is, we never failed with the formula above given. We have often had trouble with less Iodide. Either our chemicals are less pure now than they were, or our old formula was better than the new. We have gone back to the old one, and find it still good. And now to keep a good bath right. A bath like anything else requires care and intelligent attention.

Always have two or three baths, label the bottles they are in, that you may know their history. Keep the one not in use always in the sun. Have on hand a bottle of strong solution pure and good. Every evening fill up the loss in your bath by your day's work out of this bottle. It will keep in good order twice as long. Boil your bath pretty often. This has the endorsement of the best New York operators. We know an artist who makes an immense number of negatives daily, has his bath boiled every evening. Before boiling add as much water to the bath as you intend evaporating off, and boil down till strong enough. If care is used, we believe frequent boiling will be very useful. Of course when only comparatively few negatives are made, less boiling will do. You may sum all up in a few words. Feed your bath well ; give it a good rest now and then ; boil it often ; sun always when not in use ; be cleanly, and above all, avoid desperate remedies, and your bath will be always in good order. We add a few maxims without stopping to prove their usefulness, believing ourselves that they are reliable :

If a bath fogs test for acid before trying to cure.

If a bath in acid, and fogging, take another meantime.

If a foggy bath is neutral, a drop or two of acid will often cure it.

If an acid bath fogs, make neutral with carbonate of soda, add half as much water as you have bath, filter and boil till of forty grain strength ; cool in the sun ; filter and try again.

If a bath streaks, *boil*.

If it stains at the corners and is quite acid enough, *boil*.

If acid, and yet gives a poor thin film devoid of bloom, test