

dealer would doubtless be pleased to send his boy round and collect them. Your bench or table should be fitted with one or two drawers, in such a position where liquids would not be likely to come in contact with anything placed in the drawers, which would serve as a receptacle for plates, paper, etc. Be tidy, and always keep a few cloths in a handy place, in case of any upset of liquids.—*J. A. R., in Amateur Photographer.*

"Stand development" is the name that has been given to a particular method of development, in which the exposed plates are placed in a grooved trough, the latter filled with a weak developer, and the whole allowed, in vulgar parlance, to rip till done. In cases of over-exposure this may be in a quarter of an hour, in cases of under-exposure, an hour. No attention is required, the plates may be simply left in the solution, and looked at every quarter of an hour till finished. We have been trying this lately and have hit on a simple developer that acts excellently; its composition is as follows:

Metal	4 g.
Hydroquinone..	6 g.
Sodium sulphite	50 g.
Potassium ferrocyanide	25 g.
Potassium bromide... ..	0.5 g.
Potassium carbonate.....	100 g.
Water to.....	1000 c.c.

For use dilute 1 part with 60 parts of water. When used in the concentrated form this makes a capital developer for ordinary negative development, and with four times the quantity of water it is good for lantern slides and bromide paper. Photographic dealers who do not know anything about stand development, but who have a chance to fit out a novice with apparatus, and want to get into his good graces, should strongly recommend stand development, and give him the above. The results obtained will make the novice a firm friend and a good customer for ever.—*Pharm. Journal, Eng.*

Mr. Julius Moritzen contributes to the *Review of Reviews* for May a dispassionate and well-informed statement of the influences tending to bring about a disruption between Norway and Sweden.

Magic Photographs.

Magic photographs, says *Hobbies*, are photographs which can be made to appear in a few minutes, on an apparently blank bit of paper, and apparently without chemicals or photographic apparatus. The process of making it is as follows: Make a photographic print on a piece of albumen paper, printing it the exact tone desired in the finished print. Wash for two or three minutes and place, without toning, in the fixing bath, composed of 1 oz. of hypo and 8 ozs. of water. Leave the print in the fixing bath for five minutes, wash thoroughly, then place it in a saturated solution of bichloride of mercury until the picture has entirely disappeared. Leave it in this solution just long enough to bleach out the print, then



Gore Park, Hamilton, Ont.

wash and dry as for other prints. The paper now appears perfectly white, but it contains a latent or invisible image. The magic by which the picture is made to appear is the action of hyposulphite of soda. Soak a piece of clean blotting paper in a saturated solution of hyposulphite of soda, and dry. When it is desired to make the picture appear, moisten the blotting paper slightly, and place the picture on it face down, rubbing it to insure perfect contact. In a minute or two the picture will begin to appear, and will soon be as bright and clear as when first printed. When one wishes to show this magic photograph, it is more surprising to the uninitiated if the blotting paper has been moistened and placed in a book. Show the apparently blank piece of paper, slip it in the book, and in a minute or

two take it out, and what was to all appearance a piece of plain white paper will be found to have a picture printed on it. The picture will disappear after being exposed to the light for some time, but it can be made to reappear indefinitely. It will be found that much interest is taken in the process, and the production will afford much astonishment.—*Nat. Druggist.*

Photo Queries.

How do you know when a plate is sufficiently developed?

Answer:

There is no reliable rule or exact time for developing a negative. It altogether depends upon what brand of plates you are using; some require to be developed much farther (that is, longer) than others to get the necessary density. It also depends upon what developer you are using, whether your plate has been properly timed during exposure, for if it is either under or over exposed it will require at least twice the time to develop. However, a properly exposed plate should be fully developed in 15 minutes. By examining your plate occasionally during development by transmitted light you will soon be able to judge when it is finished.

What advantages have films over plates?

Answer:

None whatever, except for a tourist who is making a long journey and finds plates perhaps a little bulky, or is in some remote country where it is not convenient to change plates.

How can it be prevented.

When taking a group of six babies and three dogs how would you keep them quiet?

Answer:

Give it up.

Hot Water and Cough. Sipping water almost boiling has been found very efficacious in the treatment of coughs. It promotes expectoration and relieves dry cough. Its simplicity, at least, will recommend it.