

Photographic Notes.

Photographic Hints and Formulas.*

*From Liesegang's Photographischer Almanach.—
(Amer. Photo. Jt.)

Varnish — Ground glass substitute (Lanier)—

Ether.....100 c.cm.
Sandarak.....10 grams.
Damar.....3 grams.

Dissolve and filter, then add—

Benzole.....50 60 c.cm.

The more benzoic the coarser the grain.

Varnish (Valenta)—

Benzole.....400 c.cm.
Aceton (Pyroacetic Spirit).....400 c.cm.

GOLD TONING BATHS FOR ALBUMEN AND ARISTOTYPE PAPERS, ETC.

Chalk bath—

Water.....100 c.cm.
Chloro-aurate of potassium...1 gram.

For use—

Above solution.....10 c.cm.
Water.....115 c.cm.
Whitening.....1 gram.

Mix and shake thoroughly at least
twelve hours before use.

Toning Bath (acetate of soda)—

Water.....2 liters.
Chloride of gold.....1 gram.
Acetate of soda.....30 grams.

Crystallized acetate of soda gives warm
red tones; fused, bluish tones. The lat-

until the gold is entirely exhausted
Prints should be printed up strong.

Toning Bath (sulphocyanate of am-
monium). Two solutions are to be pre-
pared:

(a) Water.....1 liter.
Sulphocyanate of ammonium...30 grams.
Hypo-sulphite of soda.....5 grams.
(b) Water.....200 c.cm.
Chloride of gold.....1 gram.

For use, pour 40 c.cm. of (b) into 200
c.cm. of (a) -If in reversed order the bath
will be precipitated.

Combined toning and fixing bath—

Water.....1 liter.
Hypo.....175 grams.
Alum.....20 grams.
Sulphocyanate of ammonium...10 grams.
Common salt.....40 grams.



"Thy Sentinel Am I."

From Photo American.

Alcohol (absolute).....100 g. ams.
Sandarak.....100 grams.

The solution is to be warmed in a
water bath and filtered, the negative can
then be coated without previous warm-
ing.

Retouching Varnish for Negatives—

(a) Alcohol.....80 c.cm.
Sandarak (pulverized).....15 grams.
Turpentine.....5 c.cm.
Oil lavender.....4 c.cm.
(b) Alcohol.....22 c.cm.
Ether.....2 grams.
Camphor (crushed).....5 grams.
Water.....10 c.cm.

Both solutions are to be mixed several
days before wanted, then decant and filter.
The hardness of film increases with time.

ter bath must be made up 24 hours before
use.

Toning bath (borax)—

Water.....1 liter.
Borax (fused).....8 grams.
Chloride of gold.....1 gram.

Toning Bath (chloride of lime.) -

Acetate of potassium.....12 grams.
Chloride of lime.....3 grams.
Carbonate of potash.....6 grams.
Distilled or boiled water....480 c.cm.

Above is to be well shaken, then al-
lowed to settle, decanted and filtered
through cotton. For use—

Above stock solution.....320 c.cm.
Distilled or boiled water....3 liters.
Chloride of gold.....1 gram.

This bath keeps well and may be used

After a short time this solution becomes
turbid; it is then to be left to settle for
8 days, then decanted and filtered: then
add—

Water.....100 c.cm.
Chloride of gold.....1 gram.

Mountant for silver prints—

Gelatine.....100 grams.

Swell in cold water, the superfluous
water is then poured off and the gelatine
dissolved by aid of a gentle heat. Then
add with constant stirring.

Water.....50 c.cm.
Alcohol.....150 c.cm.
Glycerine.....50 c.cm.
Carbolic acid.....20 drops.

This permanent non-cockling mountant
thickens in the cold. For use, the bottle