

ANSWERS TO CORRESPONDENTS.

J. B. R., Pa.—We have made a few successful experiments, and will try to make out a report that will assist you. There is no doubt but you may produce the desired effect; several scientific gentlemen have reviewed your plans, and, with your permission, they will be laid before the American Photographic Association, and subjected to a full investigation.

L. H. C., N. C.—No wonder you did not succeed, and you never would, should you follow the direction laid down in the work you referred to. Cyanide of potassium, for galvanic purposes, "To heat to redness prot-oxide of manganese, and ferrocyanuret of potassium in a glass bottle," would never form this substance, as it is not easy to understand how the bottle would stand the heat.

If Mr. C. will heat ferrocyanuret of potassium (yellow prussiate,) in a closed earthen crucible for three hours at a red heat, and then remove from the fire; the black mass remaining is charcoal and iron, mixed with cyanide of potassium; dissolve the whole in pure water and filter. This solution contain the cyanide.

A. M., Mich.—You will find one of the small miniature cameras to be of use to you, the cost of one is trifling, and the advantage in your case great. With only ten feet distance, you will be enabled to take one of the smallest minatures, and a good one will present a clear fine image, and as equally distinct as a larger size. Any dealer in stock will furnish you with one.

M. R., Mo.—We don't think your plan a good one. Every artist should strive to aid in promoting the interest of the art, and not look too much to the pocket. No better illustration can be had than the miser, who is blest with a great share of gold, to keep it under a lock, so that no one is benefited. So with your plan, the mind would be locked, and the world no wiser for our having lived in it.

N. E. S., Ct.—You will please refer to Silliman's Chemistry, where you will find the best method for the combination, and one to be depended upon.

R. W., S. C.—Your communication was just one day too late; shall appear in our next; give us more of the same sort.

S. D. H., Mass.—The plates are not cleaned; you want more labor, and your difficulties will end.

P. E., Pa.—Your money was returned. A puff cannot enter our colums. Show us your "great improvement," and you can have due attention.

Our business is to present to the public that which in our judgment, we conceive to be truly valuable, and of interest. This we do gratuitously.

M. O., Mass.—Consult Mr. French. He will have, or can get, the article you inquire for. The Paris manufacture is best, and is most generally in use.

T. W. C., Va.—Please excuse our liberty, and accept our thanks. Let us hear from you; communication would be cheering from you.

E. W., Ohio.—A communication from you would be very acceptable. Remember us in your leisure moments. A few lines may benefit, while many might destroy it.

M. Y., Ga.—Scovill Manufacturing Company in this city, are agents for the magnifying cases. You could obtain any information by addressing as above. They are sold by Stock dealers generally.

W. S. D., R. I.—To relieve your room from the strong odor of the bromine, sprinkle freely about the floor aqua ammonia.

N. G., Ky.—You will find a full assortment of Mr. Dobyns, in Louisville, in your State. It will be better for you to purchase of him than pay the express charges.

The reason why T. L., N. C., cannot melt chloride of silver in a sand crucible, without its escaping through the sides, is owing to the salt glaze which uniting with the silver salt, carries it through a porcelain or hessian crucible will obviate the difficulty. Platinum crucibles should not be used unless the common salt had been previously washed out. T. L. may be assured of our attention to the kind remarks of our friends, and we shall be happy to hear from him and others in the same strain frequently.

NEW PUBLICATION.

A NEW CHART OF CHEMISTRY,--By Mr. E. L. YOUNG, upon which the fundamental principles of the science of Chemistry are represented to the eye by diagrams and colors. The Chart is five feet by four, mounted, and accompanied by a pamphlet of explanation. Published by Youmans and Burdall, No. 92 Nassau Street, New York.

This Chart is to Chemistry what the map is to geography, or the diagram to Astronomy. It presents to the mind, through the medium of the eye, symbols of objects which cannot be seen in a simple condition, and plainly represents the exact ratio of the simple substances in their several combinations, to form the various bodies we behold around us.