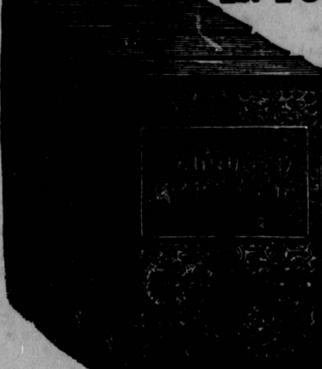


GRAPHING COLORS.

Done, but is not Generally as it Has no Great Value. de W. Abney, in a paper of light on matter read British association, said: is often asked when pho natural colors will be dis Photography in natural only has been discovered, es in natural colors have eed. I am not alluding to es produced by manual which have from time to foisted on a credulous pub produced by the action of much to the damage of y and usually to the so entors. Roughly speaking, of producing the spectrum al colors is to chlorinize a e, expose it to white light mes a violet color, heat till rather ruddy, and expose spectrum. The spectrum then impressed in their nat Experiment has shown colors are due to an oxidized ing formed at the red end of m and a reduced product at nd. Photography in natu however, is only interest a scientific point of view, as I can see, can never have ial value. es to be useful must be one reproductions are strictly their words, it must be a de and not a printing process. ust be taken in the camera, rinting process requires not ht light, but also a p osure. Now, it can be con t in a substance which abe visible spectrum, the mol be so shaken and sifted by t rays that eventually they rves into masses which re particular rays by which they a; but it is almost—I might impossible to believe that sifting has only been com it would be in the short ex which a camera picture is the substance deposited to the image by purely chemi would be so obliging as to at the particular size of p should give to the image of the nucleus on which it ing. I am aware that in days of photography we pd deal about curious re had been obtained in nega red brick houses were ed and the blue sky as blu- ead of these coincidences d to explain, and would be e same as when the red es were shown as bluish and a red in a negative. The the production of the latter are naturally not abundant, would not attract much at may repeat then that pho natural colors by a print- ecess—by which I mean by of light alone—is not only ut has been done; that ction of a negative in natu- ight is produced appears, e of our knowledge, ssible. Supposing it were ticable, it would be unsatis- a the light with which the s impressed would be very rom that in which it would are fully aware of this diffi- ainting, and take their pre- against it. The nearest ap- to success in producing pic- light alone is the method of hree negatives of the same through different colored omes. The three give a picture which is the give e. The process is open to ob- account of the impure color- eses used. If a device could whereby only those three e spectrum could be sever- which form the color sensa- method would be more per- it is at present. Even then could not be attained, ow- defect which is inherent in- hy and which cannot be l. This defect is the imperfec- tion of gradation of tone. ce, if we have a strip gradu- what we call black to white be recollected that no tone tifically be called black and ite) and photograph it, we in a print from the negative- ess which is supposed to rep- gray of equal mixtures of l white by no means does so black is not as black nor the white as the original.

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