

FIG. 3.

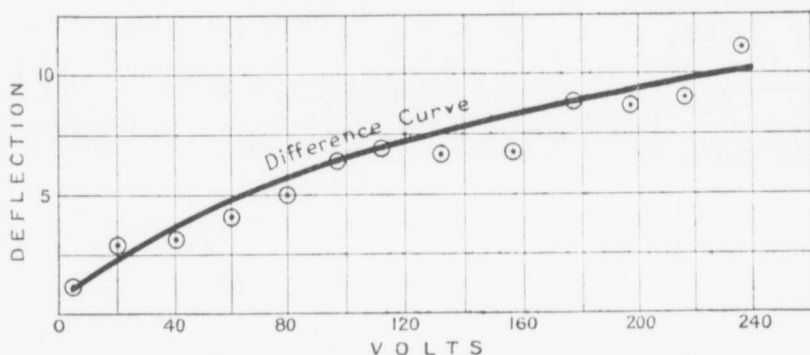


FIG. 4.

#### 4. Experiments with Zinc, Cadmium, Magnesium, and Thallium.

*Zinc.*—In the paper on the flame spectra of metallic vapours by McLennan and Thomson\*, it has been shown that, in their experiments on photographing the spectrum of a Bunsen flame into which a stream of zinc vapour was passed, no trace of any of the lines in the spectrum of zinc was obtained. Although the intensity of the flame was made as high as possible,

\* McLennan and Thomson, *supra*, p. 584.