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*Picture Perfect*

William Fox Tallbot made light sensitive paper in 1826 creating photography. John Herschel an astronomer called it photography, the name stuck. What is the effect of aperture (F) 2.8, 8, 16, 22, on the clarity of a picture? If aperture of a camera changes from f-2.8 to f-22, the picture clarity will change. The picture should have the highest clarity with the aperture of f-16 because, it's in the middle of f-2.8 and f-22 so it will not only have one spot clear but more of the picture will be clear. A camera was placed 3.5 meters from a target and 10 pictures were taken for apertures f-2.8, 8, 16, 22. Then in photo-shop the number of gray lines was counted. When comparing the apertures, the aperture of (f) 2.8 target C is the target that is consistently sharpest in the picture. In the aperture of (f) 2.8 target C, is the most in focus. In the aperture of (f) 16 board F has the least amount of gray lines. In (f) 22 the target with the least number of gray lines is target F. The final averages were found by adding the board averages. Less gray lines means a sharper image. In (f) 2.8 the averages add up to 65.5. In (f) 8 the averages add up to 31.8. In (f) 16 the averages add up to 33.8. In the aperture of (f) 22 the averages equal 38.4. This may have occurred because it is in the middle. My hypothesis was not supported.