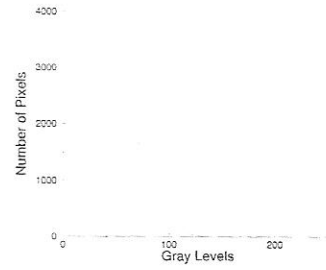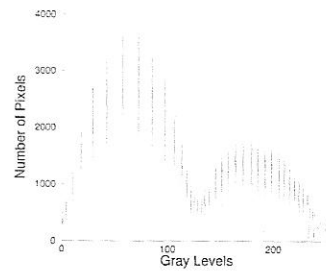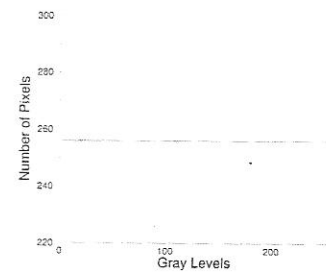(a) Original image

(b) Original histogram

(c) After histogram equalization

(d) Histogram after histogram equalization

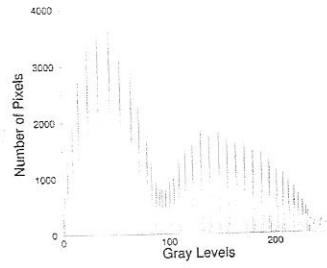(e) After histogram equalization with random additions

(f) Histogram after histogram equalization with random additions

Figure 4.2: Enhancing the image of a bathtub cleaner by histogram equalization
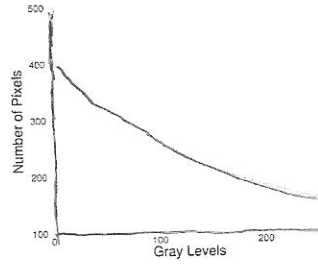
(a) After histogram hyperbolization

(b) Histogram after histogram hyperbolization

(c) After histogram hyperbolization with random additions

(d) Histogram after histogram hyperbolization with random additions

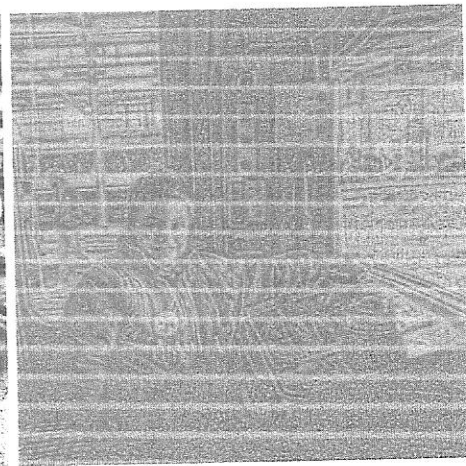Figure 4.3: Histogram hyperbolization with $\alpha = 0.5$ applied to the image of *Figure* 4.2a

(a) Original image

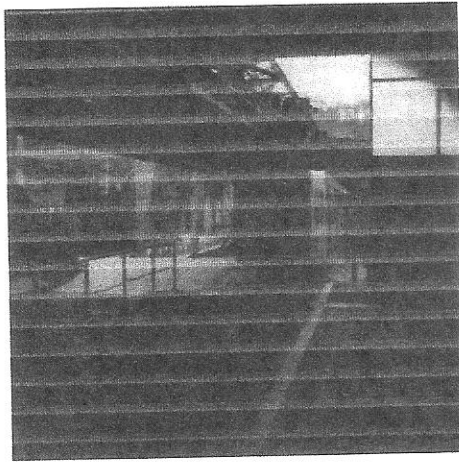(b) After global histogram equalization
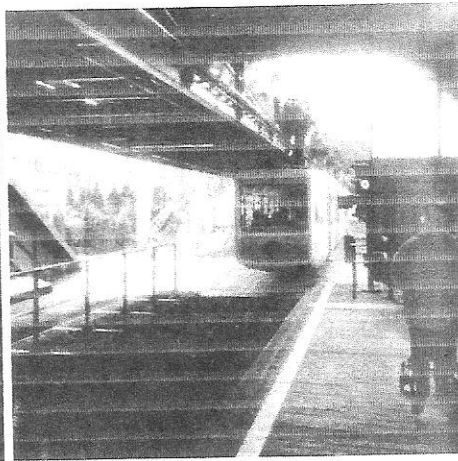
(c) After local histogram equalization

(d) After local enhancement

Figure 4.4: Enhancing the image of a young train driver.

(a) Original image

(b) After global histogram equalization

(c) After local histogram equalization

(d) After local enhancement

Figure 4.5: Enhancing the image of the hanging train of Wupertal.
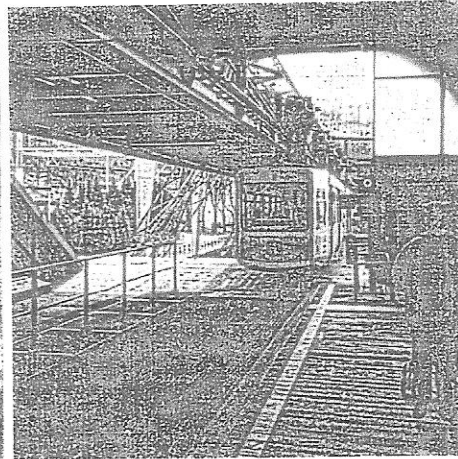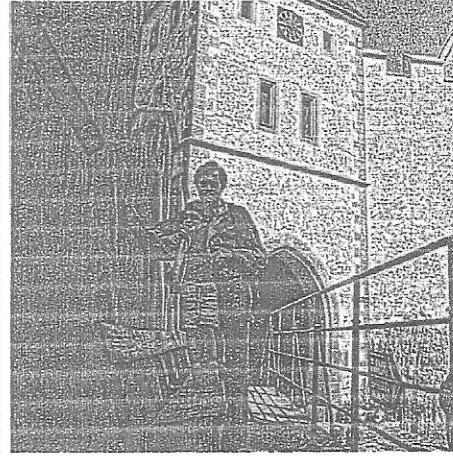
(a) Original image

(b) After global histogram equalization

(c) After local histogram equalization

(d) After local enhancement

Figure 4.6: Enhancing the image at the Karlstejn castle.