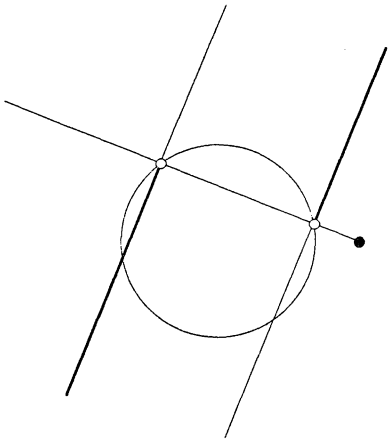

FIGURE 7

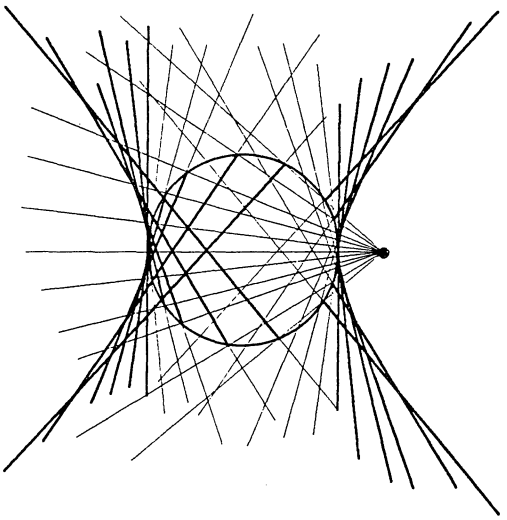

FIGURE 8

Acknowledgement We acknowledge important suggestions by Doris Schattschneider, who also helped us find the references.

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2. Alfred S. Posamentier and Jay Stapelman, *Teaching Secondary School Mathematics*, 3rd edition, 1990, pp. 447–450.
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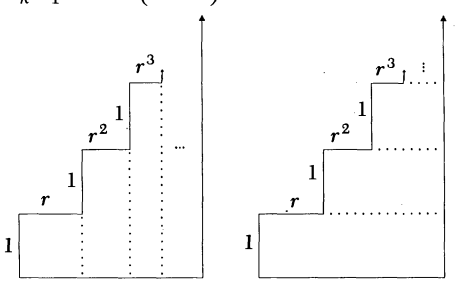
Proof Without Words: Gabriel's Staircase

$$\sum_{k=1}^{\infty} kr^k = \frac{r}{(1-r)^2} \quad \text{for} \quad 0 < r < 1$$



$$\sum_{k=1}^{\infty} kr^k = \sum_{k=1}^{\infty} \sum_{i=k}^{\infty} r^i = \frac{r}{(1-r)^2}$$

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