



## Mathematical Questions and Solutions in Continuation of the Mathematical Columns of The Educational Times Volume 29

By Books Group

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1878 Excerpt: . Parabola. The negative focal pedal of the ellipse has been investigated in the Reprints (Vols. XVI., pp. 77--83; XVII., pp. 92--96; XX., pp. 106, 107), under Quests. 3430, 3560; and the form of the curve--which resembles that of the central pedal given above--is shown in the diagram on p. 77 of Vol. XVI. The central pedal is discussed in Vols. XVI., pp. 83--86, and XX., pp. 107, 108, under Quest. 3431. It was, however, inadvertently stated (XVI., p. 84, Art. 2) that the curve lies wholly inside the ellipse; whereas, by eq. (5) on p. 84, it is at once seen that  $y = 0$  when  $b(1 - e^2 \cos^2 \theta) = b^2$ , which is possible when  $c < b$ ; and that then  $a e \cos \theta = b$  by eq. (4) the pedal crosses the axis at O where  $CO = x = 2eb$ , as found above. The...



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