$a+b+b=4473 \implies a=4473-2b$ the area: area=a×b=(l-2b)b= 4473b-2b²

Square the unit for vertex's vertical coordinate since it is a quadratic.

Note that the formula is for parabola. Now find the vertex:

length b and one side has length a:

vertex= $(\frac{4473}{4} \text{ yd }, \frac{20007729}{9} \text{ yd}^2)$

4. Since the fences enclose a rectangular plot without one side, two sides have