$a+b+b=4661 \implies a=4661-2b$ the area: area=a×b=(l-2b)b= 4661b-2b²

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

Note that the function is for parabola. Now compute the vertex:

length b and one side has length a:

vertex= $(\frac{4661}{4}$ ft , $\frac{21724921}{9}$ ft²)

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