$a+b+b=1893 \implies a=1893-2b$ the area: $area=a\times b=(l-2b)b=1893b-2b^2$

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:

 $vertex = (\frac{1893}{4} meters , \frac{3583449}{2} meters^2)$

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