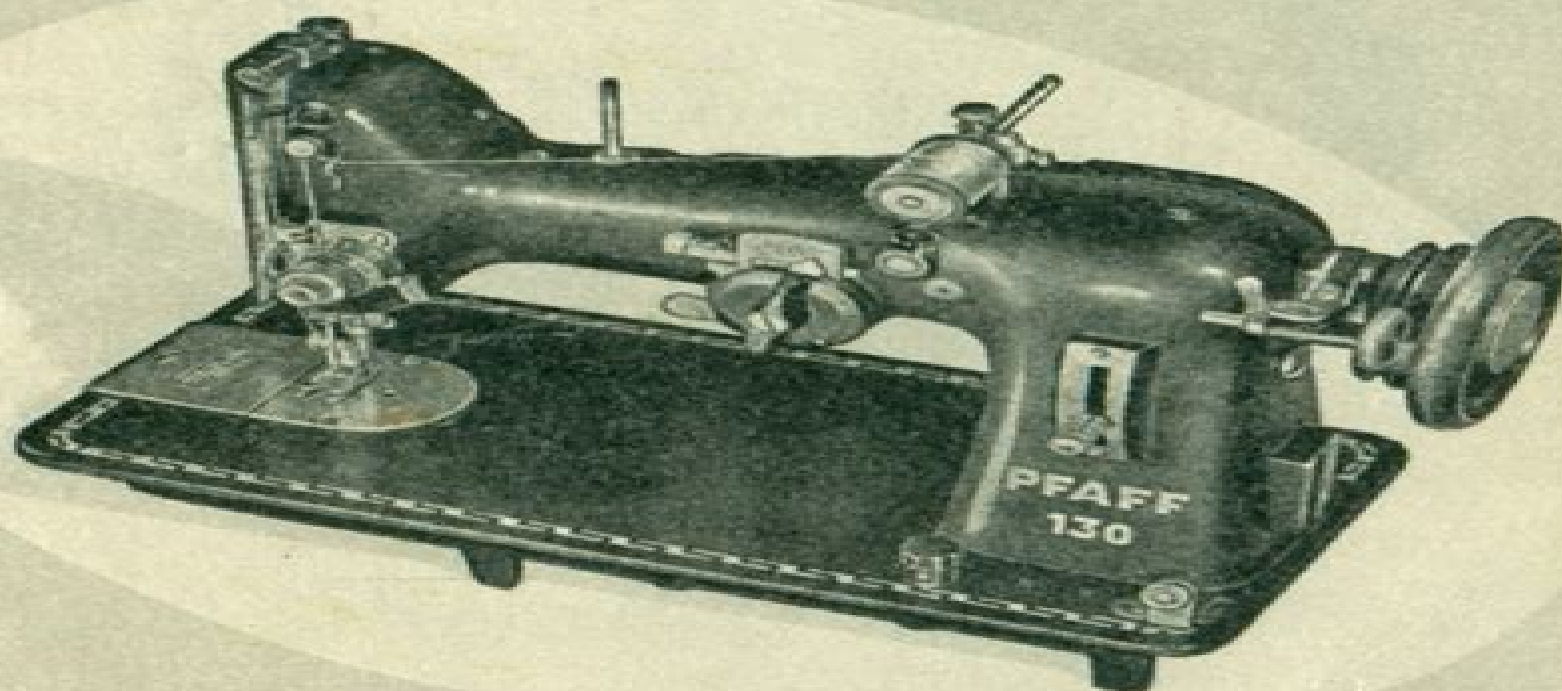


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**PFAFF 130-6**

# Pfaff 130 Manual

**RC Schank**



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$f_0(x) = 2x$  find the derivative  $f'_0(x)$  if  $f(x) = x^2 \sin x$

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 $\cos^3 x - \cos^5 x = 0 \Rightarrow \cos^3 x (1 - \cos^2 x) = 0 \Rightarrow \cos^3 x = 0 \text{ or } 1 - \cos^2 x = 0 \Rightarrow \cos x = 0 \text{ or } \cos x = \pm 1$   
 $\cos x = 0 \Rightarrow x = \frac{\pi}{2}, \frac{3\pi}{2}$   
 $\cos x = 1 \Rightarrow x = 0, 2\pi$   
 $\cos x = -1 \Rightarrow x = \pi$   
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