Yeah, I see exactly what happens now. What you have is totally fine until you sub out $\frac{\partial E}{\partial x}\Big|_T$ for J, which isn't exactly right. We can get the right expression by expressing E as a function of x and S:

$$E(x,T) = E(x, S(x,T)).$$

$$\left.\frac{\partial E}{\partial x}\right|_T = \left.\frac{\partial E}{\partial x}\right|_S + \left.\frac{\partial E}{\partial S}\right|_x \left.\frac{\partial S}{\partial x}\right|_T .$$

We can use a Maxwell relation to swap out the last partial derivative:

$$\left.\frac{\partial S}{\partial x}\right|_T = -\left.\frac{\partial J}{\partial T}\right|_x .$$

Now we can use

$$dE = TdS + Jdx., \qquad \left.\frac{\partial E}{\partial x}\right|_S = J, \quad \left.\frac{\partial E}{\partial S}\right|_x = T.$$

So all in all:

$$\left.\frac{\partial E}{\partial x}\right|_T = J - T\left.\frac{\partial J}{\partial T}\right|_x .$$

$$\left.\frac{\partial E}{\partial x}\right|_T = ax - bT + cTx - T(-b + cx) = ax.$$

And this is all preceded by $\frac{\partial}{\partial T}\Big|_x$, so then we get 0!