



FIGURE 21. The relation between the price and the yield per acre of the several crops.

When the origin is at  $(0, 0)$ , the equations are

For corn,  $y = .17 - 1.2989x + .01892x^2 - .000137x^3$ .

For hay,  $y = 1.17 - 1.0215x + .01549x^2 + .00009x^3$ .

For oats,  $y = -1.49 - 1.1346x + .02324x^2 - .000238x^3$ .

For potatoes,  $y = .49 - 1.4863x + .01993x^2 - .000141x^3$ .