

11 Title 30 - We analysed samples of soil to determine suitability for various crops and the effects of cultivation and fertilizer treatment.

10 Scene 44 - Class in soil chemistry as work.

06 Title 31 - Practical application ~~examples~~ of tests are made in the experimental plats.

12 Title 32 - Fields of grain of certain varieties sown, treated and harvested under diverse conditions are measured and compared.

12 Scene 46 - Professor with students before tubes of sample grain in the Cereals Department, the Professor lecturing on the results.

08 Title 33 - We study Elementary Mechanics ^{applied} applied to the use and care of farm machinery.

12 Scene 47 - Class studying the laws of leverage demonstrated with a crow-bar.

12 Scene 48 - Demonstration with the weight and pulley.

12 Scene 49 - Class in Blacksmith Shop.

12 Scene 50 - Class in Carpenter Shop.

12 Scene 51 - Class taking instruction on the farm Tractor.

09 Title 34 - The 786 acres afford ample land for the application of principles on a large scale.

10 Scene 52 - Fields under cultivation with crops standing, class making an inspection.