

### THE MIGHTY ATOM

The idea of immense energy to be derived from splitting the atom, after long haunting the imagination of science, now shocks the imagination of mankind. At Cambridge University's Cavendish Laboratories, Pathe Gazette exclusively photographed the giant apparatus where first attempts were made to split the atom. A hundred thousand volts stepped up to one million volts, are used to bombard the atom and split it into its component "protons" and "Neutrons." Scientists from British research centres worked in the United States alongside their American Colleagues. After the first bomb was dropped, Mr. Churchill said, "By God's mercy, British and American science out paced all German efforts." How close a race it was, (this struggle between two groups of scientists) was revealed by pictures taken of the "heavy water" hydro-electric plant in Norway. While British and American scientists were racing ahead, Europe was being combed by Secret Service Agents to pin point any plants which by their structural design suggested Atomic bomb factories. Such a one was this, upon which commando raids were launched. Hiroshima and Nagasaki burst into the news when two bombs, the outcome of a 500 million pound project, rocked Nippon. Four square miles vaporized an equivalent area centred on Tower Bridge, London, is shown here. Last word comes from Sir John Anderson who supervised British research.