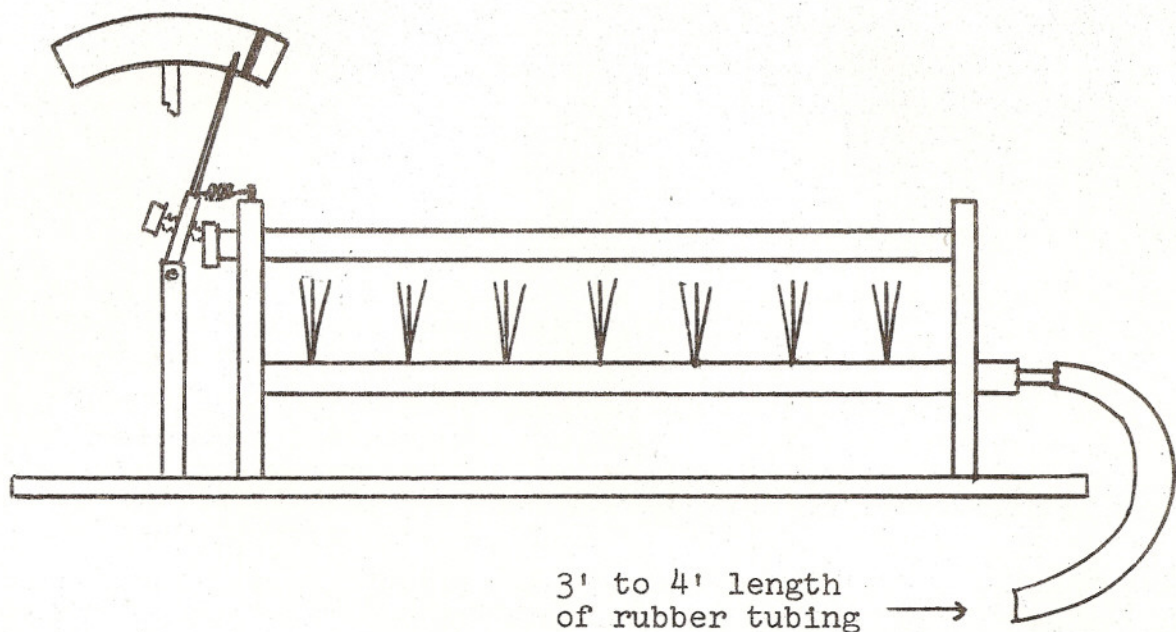


Long Brass Tube  
Heated by Gas  
Fed Burner

H-1 S-1



Use a long, brass tube mounted over a long, gas-fed burner. (See Note 1.) Adjust screw until pointer stands at red index mark on circular scale. Turn gas on full and light burner, moving match along entire length of burner to ignite all jets. (See Note 2.) Observe the movement of the pointer as the brass tube is heated. (See Note 3.)

Notes: (1) One end of the expansion tube is free to move horizontally. One end of the burner is also free to move horizontally, simply to avoid stress on the mountings. (2) Air currents affect noticeably the heating of the tube. If significant air currents exist, you may find it advisable to close all windows and doors. (3) There is a mechanical multiplication of roughly 20 between the linear expansion of the brass tube and the movement of the end of the pointer.