

The gold-chrome coils are stabilized by baking at 300 F for at least 36 hr. Pressure-seasoning was accomplished by a single application of pressure.

Finished manganin and gold-chrome coils are shown in Fig. 4.

*Pressure Equipment.* Initial pressure measurements were made with the co-operation of the high-pressure laboratory of the

Watertown Arsenal, where pressures up to 150,000 psi were available. Measurements were referred to the manganin-coil standards as calibrated in Dr. Bridgman's laboratory.

Later measurements were made in the Foxboro high-pressure laboratory with equipment designed and built by D. H. Newhall. A typical pressure-cell assembly is shown in Fig. 5.

Our present high-pressure laboratory was designed and built by the Harwood Engineering Company. A view of the laboratory

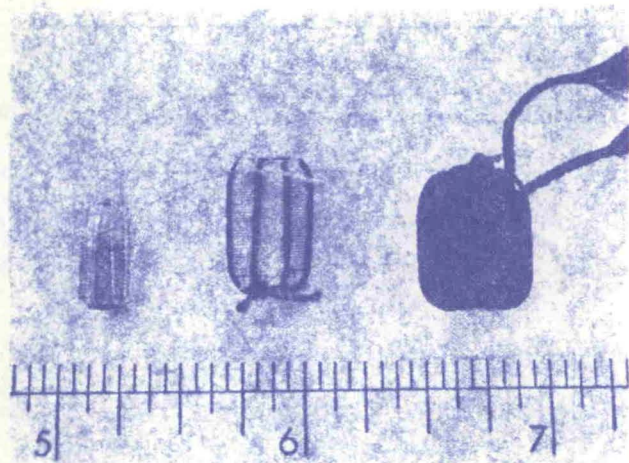


FIG. 4 FINISHED MANGANIN AND GOLD-CHROME COILS

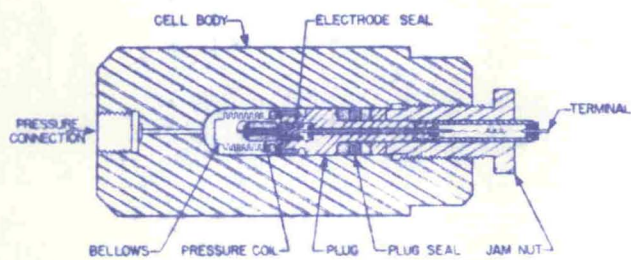


FIG. 5 ASSEMBLY OF 150,000-PSI PRESSURE CELL

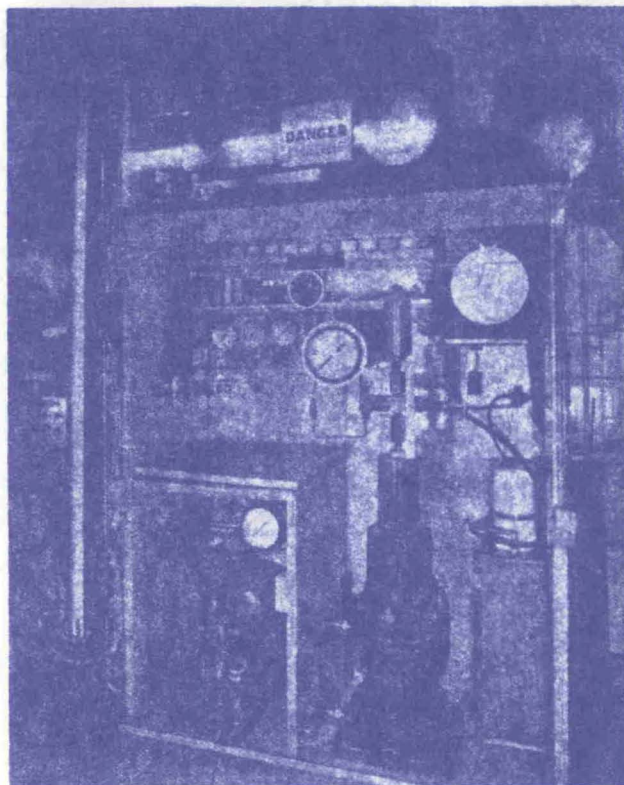


FIG. 6 VIEW IN HIGH-PRESSURE LABORATORY

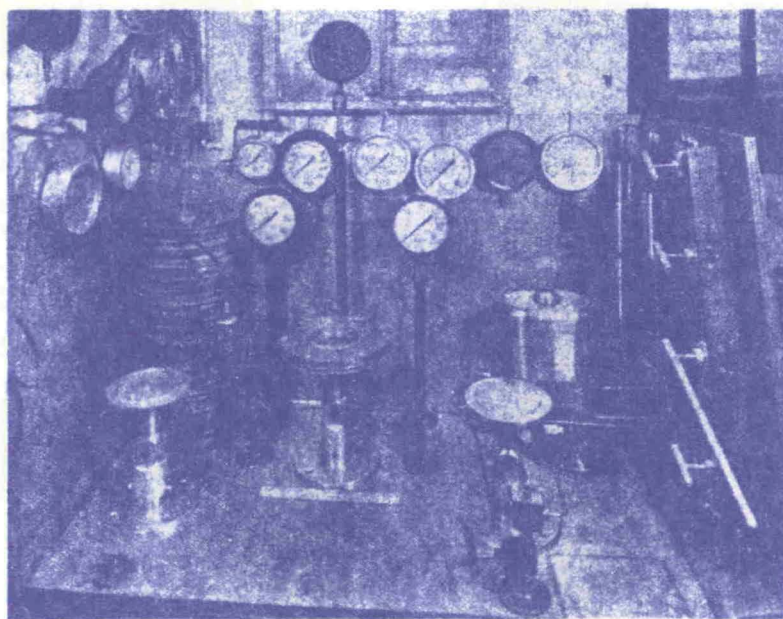


FIG. 7 DEAD-WEIGHT ASSEMBLY FOR MEASURING PRESSURES UP TO 30,000 PSI