

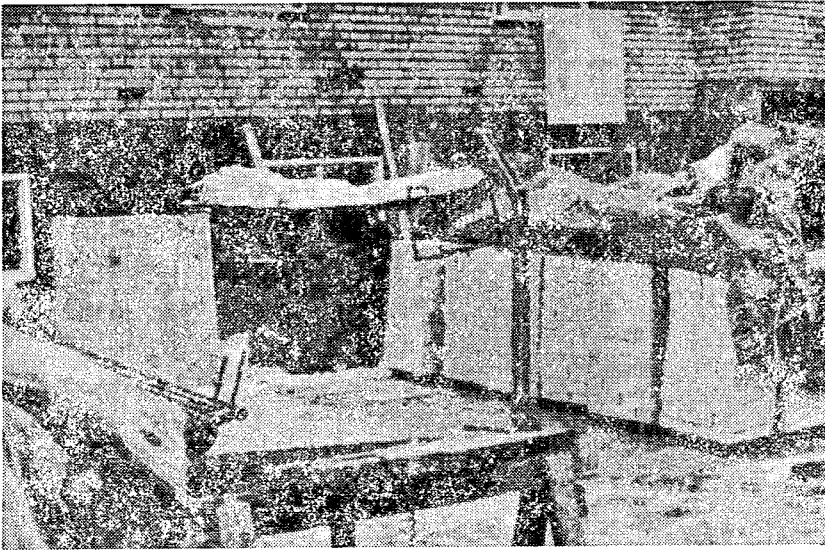


FIGURE 10

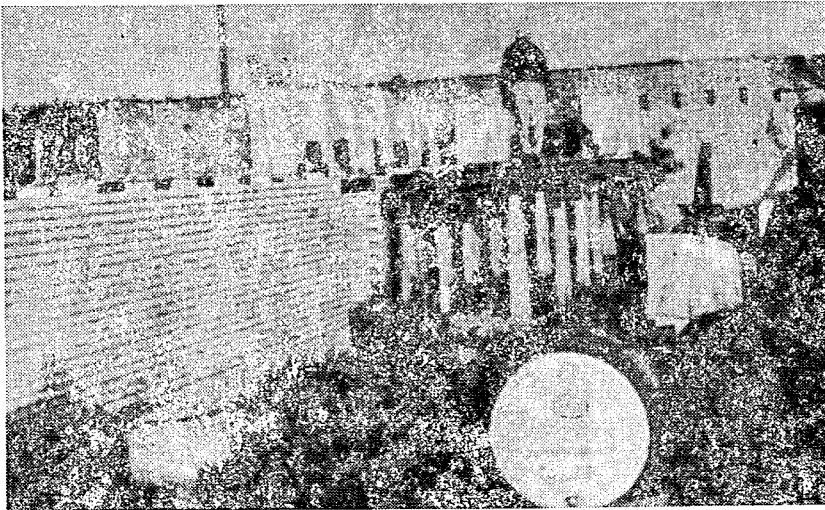


FIGURE 11

warmed with steam lances as shown in Fig. 13. The hot mixing water is drawn from the same source. Also shown in Fig. 13 are the measuring carts used in the careful batching process. Another type of batching operation is shown in Fig. 14. In this operation, the mortar materials are placed in the insulated and heated mixing hopper. There they are combined with heated water and kept until needed. As needed, the mortar is distributed through the gate into wheelbarrows, hoppers, or buggies.

The types and uses of mortar additives vary in several of the winter building systems. For example, in Denmark they permit the use of isopropyl alcohol up to 3 parts per 100 parts of mortar, but do not permit the use of calcium chloride.