

LESSON No. 23



BUILDING MATERIALS AND TOOLS

Today we shall learn about the various types of houses and the materials that we need to construct different houses. In ancient days people used to live in caves and other shelters to protect themselves from heat, wind, rain, enemies, wild animals, etc. There are various types of house throughout the world, some of which are made of light materials like bamboo, leaves, branches of trees, straws, mud, wood, tin, etc. while some are of heavy materials like steel, bricks, cement, sand and concrete, boulders, etc. The houses range from the multi-storey buildings to the ordinary types of houses.

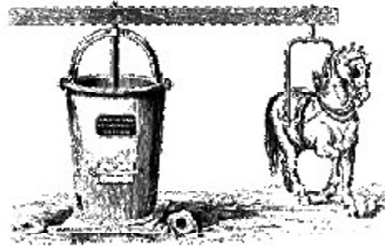
Nowadays, brick is an important material for the construction of certain structures.

The following are the steps of making brick:

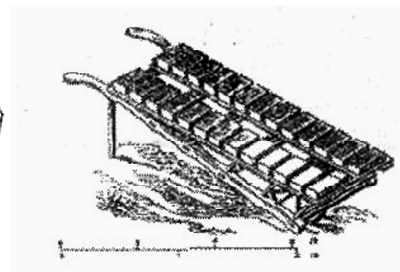
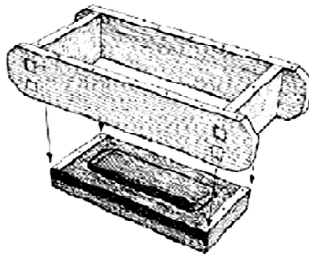
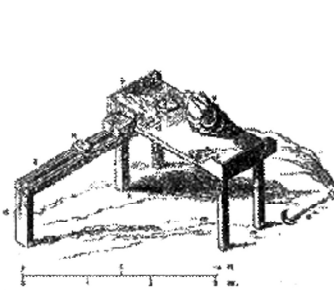
The first step is **WINNING** or mining the clay.



The second step is **PREPARATION** of the clay.

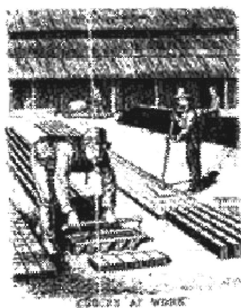


The third step is **MOULDING**.



Mould and stock

The fourth step is **DRYING**

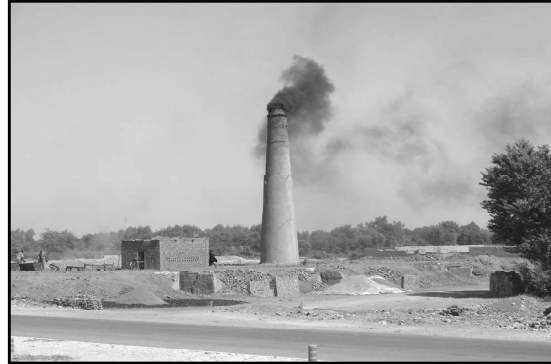


Brick drying shed

ENVIRONMENTAL STUDIES CLASS- IV

The fifth step is **BURNING**.

We require some tools for the construction of buildings. The tools are namely shovel, trowel, hammer, plumb-bob, brushes, measuring-tapes, edgers, jointers, hoe, hand-saw, cutter, blades, pliers, drill, planers, buckets, welding tools, painting and lubricating tools, trolley, hand-pullers, etc.



Claw hammer



Pliers



Trowel



Square shovel



Hand drill



Grub hoe

These are the important masonry as well as wooden construction tools. We know that the construction of structures or houses are impossible without these tools. Therefore, machines and tools are some important items for the modern civilization.

ACTIVITY

Visit a brick kiln/factory. Describe the activities you observed there.