**WEEK 6 YEAR 12 APPLIED TECHNOLOGY**

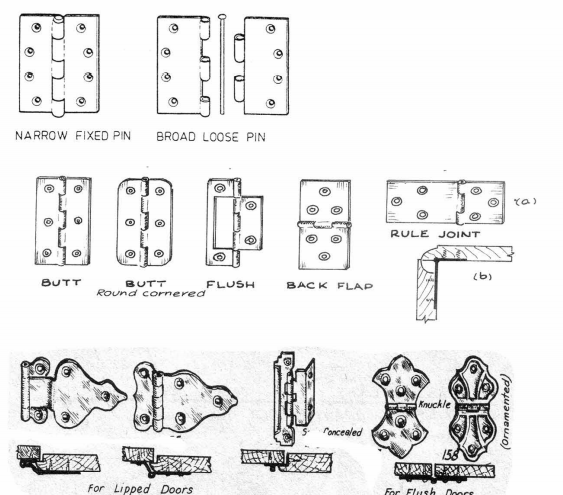
**STRAND: APPLIED ENGINEERING**

**CARPENTRY & JOINERY**

**LESSON 36: BUTT HINGES**

**LEARNING OUTCOME: IDENTIFY THE TYPES OF BUTT HINGES**

* May have wide or narrow flanges called broad butts of narrow butts depending on thickness of timber.
* Butt hinges are used for hanging doors and hinging lids, where the flanges are let into recesses (grains) cut into the abutting edge of the doors and cabinet car case

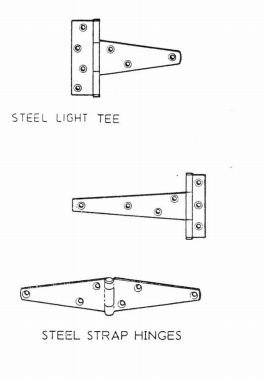
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**LESSON 37: BACK FLAP**

**LEARNING OUTCOME: IDENTIFY THE TYPES OF BACK FLAP HINGE**

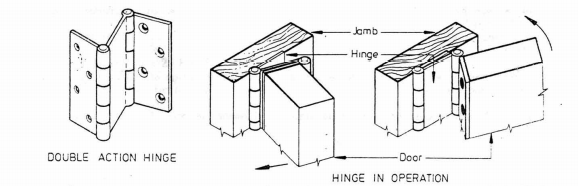
1. Strap & Tee

* Screwed to the face of the job and are used for external jobs such as garage doors, ledge and brace doors, gate & step ladders



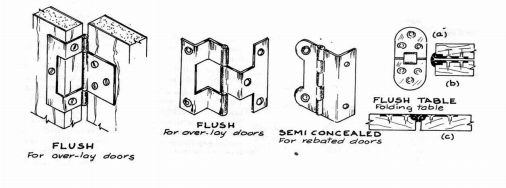
1. Double Action Screen

* For folding screen allowing 360◦ rotation



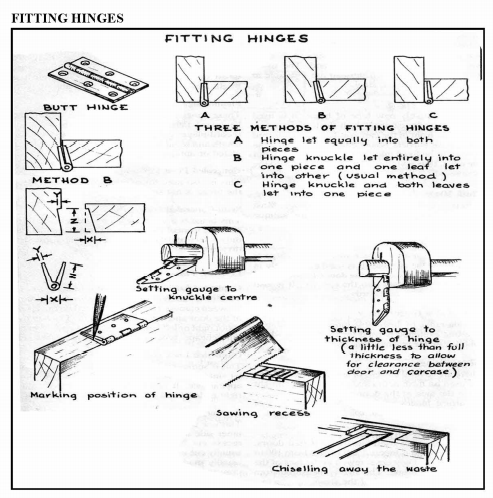
1. Ornament & Semi Concealed

* All or portion of the hinge is screwed to the face and is visible, for lip or flush doors of kitchen and bathroom cabinets



**LESSON 38: FITTING HINGES**

**LEARNING OUTCOME: IDENTIFY THE PROCESS OF FITTING HINGES**



**LESSON 39: LOCKS**

**LEARNING OUTCOME: IDENTIFY THE TYPES OF LOCKS**

1. Straight Lock

* A cheap type with screw flat on the inside face of the drawer or door

1. Cut Lock

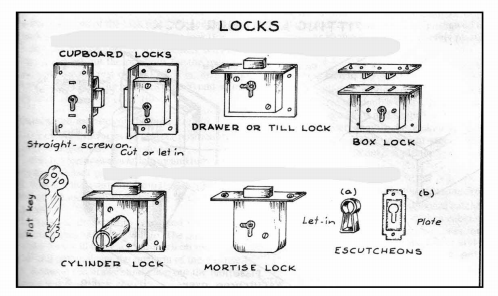
* Stronger & neater, being let into cut recesses in the back of the drawer or the door

1. Mortise Locks

* Fitted into a mortise cut in the edge of the door or drawer

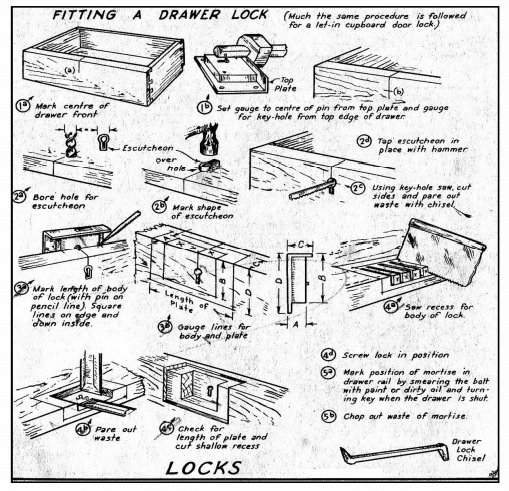
1. Box Lock

* Used for lids of boxes & desk tops
* The key operates two plungers which engaged in slot of projecting lugs on the strike plates



**LESSON 40: FITTING A DRAWER LOCK**

**LEARNING OUTCOME: IDENTIFY THE PROCESS IN FITTING A DRAWE LOCK**

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**ACTIVTIY**

1. Name any two types of hinge
2. State the two types of back flap hinge
3. What hinge is suitable for a ledge & brace door?
4. Name the four types of locks
5. Identify the lock that is fitted in a mortise

**WORKSHEET**

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| --- | --- |
| **Name the following** | |
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