

Question 2(b)

Name the locking devices labelled A, B, C and D in figure 1 below.

(2 marks)

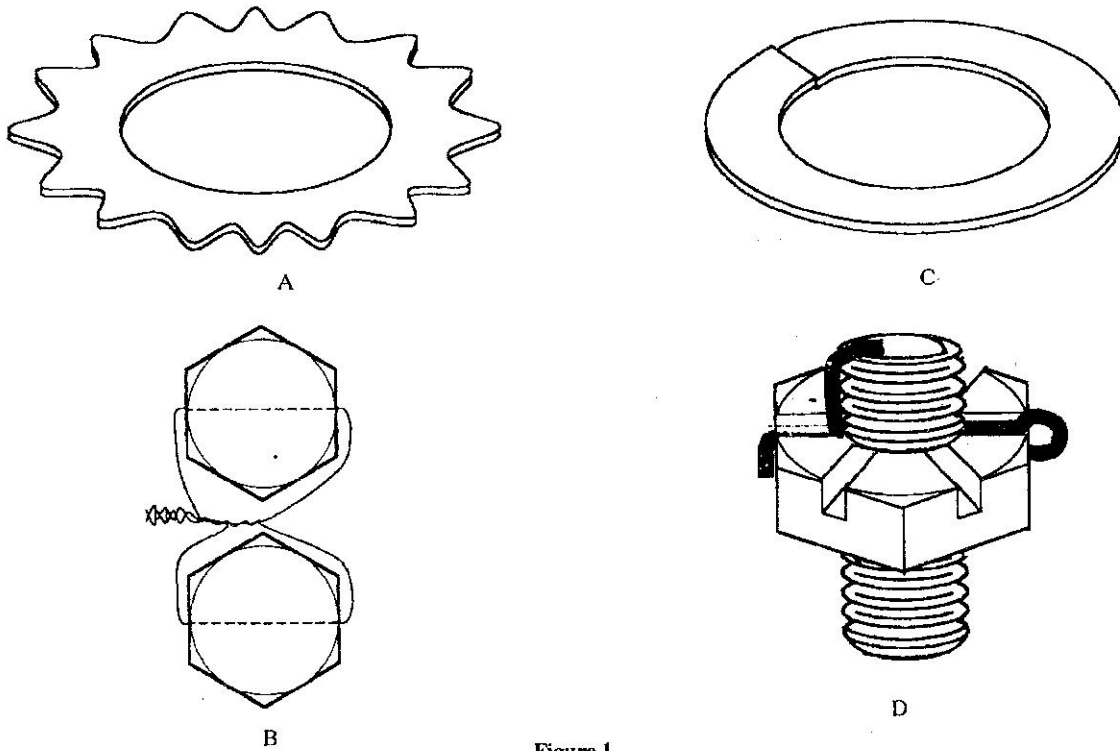


Figure 1

This question required the candidates to identify by correct names the four locking devices presented in the diagrams. Identification and selection of appropriate locking devices is a crucial task in assembly of parts and components in Power Mechanics. Candidates should not only be able to use the locking devices but they should know them by names.

The expected names for the locking devices A, B, C and D are lock washer, wire keeper, spring washer and castle nut with split pin respectively.

Question 3(b)

Differentiate between cast iron and medium steel with respect to the following;

- (i) physical appearance
- (ii) grinding test

(2 marks)

Candidates were expected to know the properties of various types of materials and be able to point out the differences between them. In this question, candidates were given two ferrous materials to compare and state the physical and structural differences between them.