

A diagram, such as either Fig. 2, Fig. 3, or Fig. 4, in which is given all the relative information of a set of forces, will be referred to as the **Static Diagram** of the set of forces in question.

Bow's Notation.

In order that the graphical representation of any particular force may be intelligently and concisely referred to, a system of lettering known as Bow's Notation will be used throughout the work whenever possible. In this notation, the areas between the lines representing the forces are lettered, and a force is known by the letters to the areas on each side of the line representing that particular force.

Referring to the Static Diagram (Fig. 5), the force of 50 pounds is known as either the force AB or BA, the force of 30 pounds as either the force BC or CB, and the force of 60 pounds as either the force CA or AC.

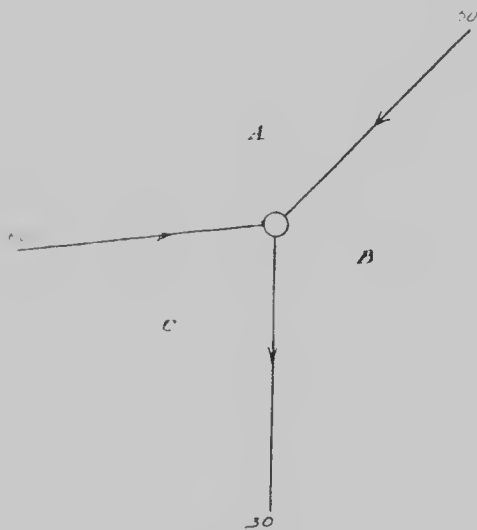


Fig. 5.

The Resultant Force is that one force which may replace and produce the same effect as a set of forces.

It is usual to refer to the Resultant Force merely as the **Resultant**.