

FABRICATING WWI TYPE AIRCRAFT WHEELS

Originally published in the Summer 1962 Issue of Cross and
Cockade by Earl VanGorder

No dimensions are given as the idea can be adapted to any scale. The basic wheel is constructed of three layers of wood sheet with center slightly smaller in diameter and outside layers beveled as in Fig 1.

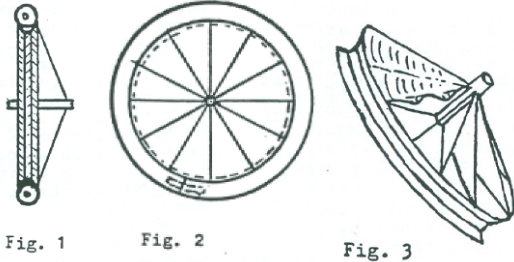


Fig. 1

Fig. 2

Fig. 3

Spoke arrangement is made of pieces of thin wood sheet or strong card stock shaped as right triangles and extending from axle bushing to outer circumference of wheel. (see Fig. 1). Bearing is a length of aluminum or brass tubing. Finished wheel is covered with silk, nylon or tissue and doped in the usual manner prior to mounting the tire. (see Fig. 3).

Tire is black rubber tubing, obtainable in a wide range of sizes from model shops and auto supply parts suppliers. It is held together with a curved piece of tubing or wire slightly larger than the inside diameter of the tubing so that a force fit is effected (see Fig. 2). This joint should also be sealed with a good grade of rubber cement.