

**K. Madumarov**

Associate Professor, Namangan Engineering Construction Institute, Uzbekistan, Namangan.

**Annotation:** In the article offered method of making of spring of working organ of cotton-picking vehicle.

**Keywords:** construction of helicoid, orthogonal projection, cylindrical spring, profile of spring, worm, height the free state of springs, ribbon on either side, cotton-picking vehicle.

The main body of the cotton picker is the cotton picker - right and left, which differs in pairs, with gaps, 2,3,4 pieces, depending on the environment. In permanently installed vertical spindles - helical, solid and with teeth. However, these spindles do not close, they have to be changed frequently. This operator does not need to stop the machine in the operating mode for the computer from the fiber manual way. We have proposed a spindle design consisting of two independent parts - a spring and a worm. In the proposed design of the worm, a special spring is provided, the upper end of which is attached to the worm with a key, and the lower end with a slot.

Design of springs for a cotton picker. Figure 1-a shows a general view of a special cylindrical spring, and in fig. 1-b method of formation of such springs in orthogonal projections.

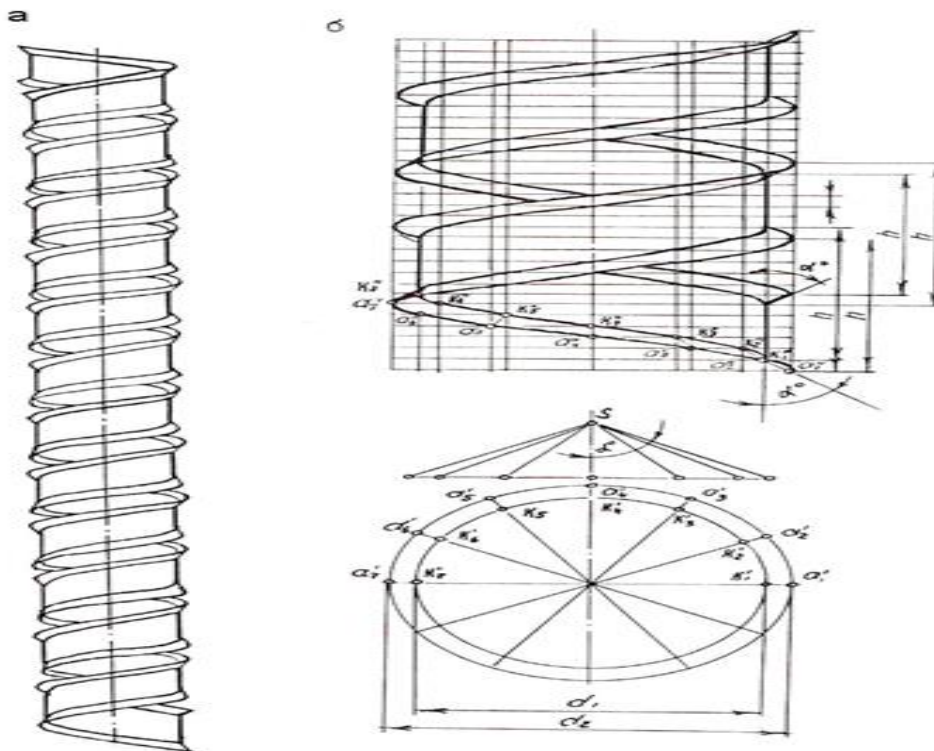


Fig.1

Figure 2-a shows a working drawing of a special spindle spring made of a special steel tape 1.5 mm thick. 16 mm wide. The tape has teeth on both sides (Fig. 2-b.). The height of the spring in the free state is 605 mm. Diameter internal - 25 mm., external - 30 mm. The spring pitch is 18.3 mm. The upper part of the spring is attached to the worm by means of a key, and the lower part is splined.

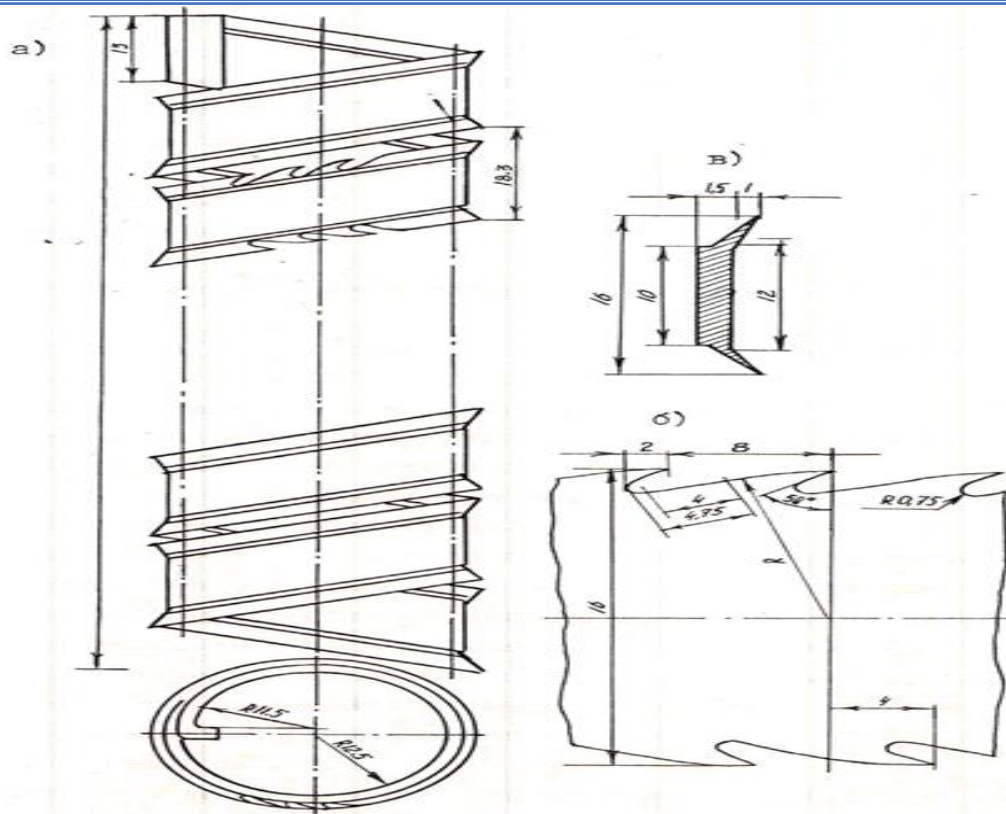


Fig.2

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