ABSTRACT

Grain harvesting is the important part agriculture mechanization. The use of reaper technology in developing countries to minimize the product cost which will be a result in economic development of agricultural production. The aim of agriculture of farming in India is not only limited to growing of crops but is also associated with the economic growth the wages to be paid. The main purpose of our project is to help small scale farmers who having land area less than 1 acres by designing small scale harvester machine to harvest grains very efficiently. Our project work will focus on ease of harvesting varieties of grains in less time and at low cost by considering different factors such as cost of equipments, ease of operation, time of operation and climatic conditions. The operating, adjusting and maintaining principle are made simple for effective handling by unskilled operators. The machine has cutting blades which cut crops in scissoring type of operation can cut up to two rows of crops. This harvester might be the best solution for the problem faced by small scale farmers relating with availability of labors and cast of harvesting.