Design, fabrication and evaluation of wood-chipper machine. Akbarnia, A.<sup>1</sup>; Khoshtaghaza, M.H<sup>2</sup>; Sharifi, G.<sup>1</sup>

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On the average, the quantity of remaining woods of felling the forest trees is about  $7x10^5 \text{m}^3$ . In accordance with mentioned volume, we must add the woods of loping the gardens' trees and green space of cities that by the best and correct use of the remarkable volume and changing them to splinter, we can establish 70 industries plants depending on wood with capacity  $10x13^3 \text{m}^3$  in a year.

So for the best use of the trimmings of a tree and the rest woods of trees' lops and the other wooden and cellulose sources such as; remaning farms and agricultural plants, reed and the other existing wooden plants in nature for changing them to chips for the different use of them, was making the chipper machine.

Generally the purpose of the accomplishment of the project is the best and correct use of the all part of trees.

Regarding with essential need to chipper in wood industries by importing different sets from various companies by firm and organs and partially copying them could not provide the satisfication of the custumers and industries yet. So, the thought and effort to gain technical knoledge for making planing machine inside the country and regarding to the ecological condition of Iran's forests, gardens' need, technical a wareness and scattering of wooden losses have desired abilities that lead to defining the mentioned projects making the wood-chipper machine.

During the practical tests and feeling the machine by woods with the different