ABSTRACT

Traditional bamboo culm furniture at Taiwan is made all by hand. Under the global environmental protection concept "Substitute the wood with bamboo", many countries in America and Europe develop relevant bamboo in charge of technology of processing. Natural characteristic that bamboo culm is irregular round and empty, fibre apt to get vertical split open. It is drill hole to reduce, keep bamboo in charge of integrality of intensity to try one's best on processing to in charge of in bamboo, it is unlikely to fracture from the place that is processed while using. Have already researched and developed the bamboo had and in charge of connecting to apply to the bamboo building in the advanced country of Europe, whether on such technological foundation, can process and lower costs by way of producing in a large amount, change into systematic furniture design and process application on, develop a series of equipment components, it is the development of focusing on the form of the products and use. On the technological experiment, count the size and kind of the coal bamboo material of worker's room of happy mountain of mountain of bamboos first. The bamboo is in charge of materials with the Guangxi Zhuang Autonomous Region bamboo of the bamboo mountain area of Taiwan, the bamboo is in charge of inviting the size of 286mm in external diameter, is the large size, after selecting suitable materials, judging cutting, the experiment is processed and assembled, confirm that can dismantle and install and make up and apply to the furniture, develop and connect multi-formly. So the product design is had, the final goal lies in reducing and connecting the quantity of making up, the variety of the products, and can present the function of the products, improve the speed of assembling after increasing and assembling, reusing, improve the space and assemble the degree of freedom.

Keywords: Systematic furniture; Bamboo furniture; Bamboo culm module joint
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