

## **“SIMPLE SAW FOR CUTTING DATE PALM BRANCHES (SA’AF)”**

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One of the important steps in the date palm services is the cut of the (sa’af) the date palm branches. Many sophisticated machines have been manufactured, but no one succeeded to solve the problem, simple machines had been invented by us and registered in the Iraqi Patent Office under the No. 159/98. The simple machine fixed on a long telescopic aluminum tube and very easily fixed on the sa’af. Using a simple manual effort by pulling a long steel wire of a small diameter to cut the branch, the machine stay fixed on the part of the branch in the palm, the machine can be carried from a branch to the other very easily, and one worker can cut 500 branches (sa’af) daily. The instrument can be easily banded to a small size and it is total weight 2.5 Kg, the cutting part weight 300 g.