

TITLE OF INVENTION:

process of preparing furniture and decorative items

FIELD OF INVENTION:

This invention relates to a process of preparing furniture and decorative
5 items prepared from tires and tube and allied wastes

BACKGROUND:

Traditionally, furniture for instance beds, chairs and tables are made
from wood. But presently wood is very expensive and with a view to conserve
and maintain forests for future generations, health, 'its' morally wrong to use
10 this commodity. Deforestation negates the very purpose of "green umbrella".

The concept is to utilize reusable (recyclable) waste materials to reduce
environmental pollution and simultaneously to make manufacture products
that could add to the national income and help generate employment.

To achieve the said objective, this invention provides a process of
15 preparing furniture and decorative items prepared from tires and tubes and
allied wastes comprising:

- selecting the tires and tube or allied wastes having pre-
determined strength,
- cleaning and treating said tires and tubes chemically to make it
20 Eco friendly
- fixing at least one said tire with or without tube on a base plate,
- providing a layer of foam of predetermined thickness with/
without upholstery in the middle opening of the said tire on the top and on the
sides of the entire tire for providing a cushioning,

25 The said claimed tires and tubes are polished.

One or more half or quarter or any other size of the segment of the
tyres, tubes are also fixed, attached to the structure to provide back rest/ arm



rests of predetermined size to make them into sofa, chair, seats etc. The seats or sofa, chair are covered with appropriate material to give an attractive look.

For preparing a sofa say 4 seats, 4 tyres/with tubes are fixed on the base plate and four subsections of said tires are enjoined to the former to
5 provide arms and back rests at predetermined places.

Similarly, for any other capacity also, the same parameters may be used.

The base plate used is made of wood, plastic or any other strong metal sheet capable of bearing the load of tires and tube or allied wastes.

10 To make the furniture easily movable from one place to the other, wheels are provided at the bottom of the said base plate. Alternatively, legs of predetermined height are provided at the bottom of base plate to achieve the desired height of the furniture.

Two or more tires and tube, or allied wastes may be fixed to the base
15 plate one above the other for making the furniture of desired height.

The invention will now be described with reference to the accompanying drawings.

Figure 1 shows a piece of furniture having one tyre and a cushion placed on the said tyre.

20 Figure 2 shows two tyres placed one above the other fixed to the base plate and the entire furniture item is covered with a cover

Figure 3 shows a four seat sofa with back rest.

Figure 4 shows a chair having one tyre fixed to the base plate and middle of the tyre is provided with a cushion material to act as seat and the
25 half tyres fixed to the said base tyre to provide as a back rest.

Figure 5 shows a tyre fixed to the base plate and the open portion of the tyre has soil or any other holding substance or material to hold the plant(s).



Referring to the drawings, base plate (P), which may be either circular or a flat piece as shown in figures 1 and 3. The said base plate (P) is provided with wheels (W), a tyre (T1) is fixed to the said base plate with nut bolts. The said tyre might contain a tube waste for giving the strength to the tyre. The
5 said tyre is covered with a thick foam disc to provide cushion (C) to the furniture piece. The tyre, cushion and the base plate are covered with a cloth or any other fabric(K).

In figure 2, two tyres (T1 & T2) are placed one above the other to have the desired height. The said two tyres are also fixed with each other. The
10 hollow portion of the tyre is filled with packing material (P1) and the top tyre (T2), a thick foam disc is placed to provide cushioning. The entire features of the invention are covered with a cloth or any other fabric (K).

In figure 3, four seat sofa is shown, wherein 4 tyres, T1, T2, T3 and T4 are fixed to the base plate (P). The middle of the tyre filled with the packing
15 material and top covered with the foam thick disc. For providing back rest, at least one half tyre (HT) or quarter tyre is fixed on the base tyres. The arm rest (A) may be provided at the appropriate place. The entire features of the sofa may be covered with cloth or any other fabric as desired. The base plate (P) is provided with wheels (W) for moving the sofa.,

20 In figure 4, a chair made out of tyre waste is shown. In this figure tyre (T1) is shown and middle of the tyre acts as a seat of the tyre which is made of packing material and the foam disc placed in the packing material. The back rest is provided with at least two half tyres (HT). The said two half tyres are fixed with one another and to the base tyre

25 Figure 5 shows a tyre fixed to the base plate and the open portion of the tyre has the earth/soil and the plant to act as a flower pot.



Similarly, the center table may be prepared by replacing the thick foam layer disc from the top of the tyre by placing preferably a glass disc as shown in figure 1.

Similarly, a decorative item, for instance, a flower pot with or without wheels can be made by fixing the tyre on a base plate and filling the open portion of the tyre with earth and planting any flower plants. Alternatively, a flower pot having a plant can be placed in the said open space of the tyre. Such a decorative piece can be placed by the side of a sofa or in a drawing room., lobbies or verandah, terrace, lawns etc.

All items are fixed to the base plate P with nut bolts and the base plate is mounted on wheels (W) for easy movement.

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I claim:

1. A process of preparing furniture and decorative items prepared from molded rubber, rubber or tires and tube and allied wastes characterized by:
 - 5 - selecting the tires and tube or allied wastes having pre-determined strength,
 - cleaning and treating the said tires and tubes chemically to make it Eco friendly,
 - fixing at least one said tire with out without tube on a base
10 plate,
 - providing a layer of foam of appropriate thickness with/ without upholstery in the middle opening of said polished material on the top and on the sides of the entire tire for providing a cushioning.
2. A process as claimed in claim 1 characterized in that the said tire
15 and tubes are polished.
3. A process for preparing furniture as claimed in claim 1 characterized in that one or more half or quarter tyres are fixed on a base tyre to provide arms and the back of predetermined height to the said base for making a chair.
- 20 4. A process as claimed in claim 1 characterized in that the seats, sofa, chair are covered with appropriate material to give attractive look.
5. A process for preparing furniture as claimed in claim 1 characterized in that for preparing the sofa of say 4 seats, 4 tyres /tubes fixed on the base plate and four subsections of said tires are enjoined to the former
25 to provide the arms and back rests.
6. A process for preparing furniture as claimed in claim 1 characterized in that the base plate is made of wood, plastic or any other strong metal sheet capable of bearing the load of the said tyres.



7. A process for preparing furniture as claimed in claim 1 characterized in that to make the furniture easily movable from one place to the other wheels are provided at the bottom of the base plate, alternatively, legs are provided at the base plate to achieve the desired height of the
5 furniture.

8. A process for preparing furniture as claimed in claim 1 characterized in that two or more tyres may be fixed to the base plate one above the other for making the furniture of desired height.

9. The furniture prepared by the process as claimed in claims 1 to
10 6.

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