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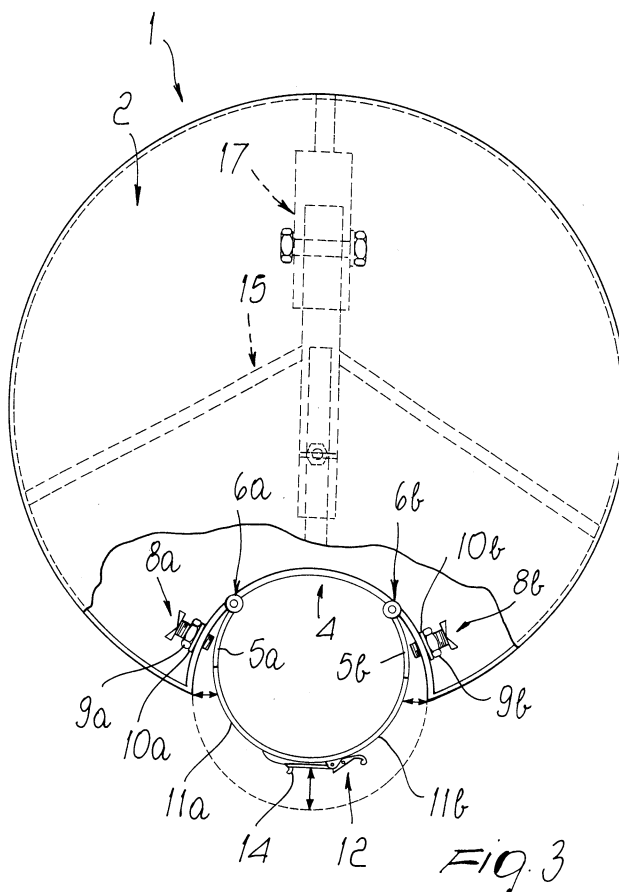
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(54) Cantilever table

(57) A cantilever table comprising a worktop (2) which is perimetrically provided with an arc-like recess (4) to allow arrangement for example adjacent to the trunk of a tree. Fastening elements (5a,5b) for adapting

and fastening the worktop (2) to the tree trunk are provided at the arc-like recess (4). A supporting rod (15) of adjustable length is furthermore pivoted to the worktop (2).



## Description

**[0001]** The present invention relates to a cantilever table.

**[0002]** Conventional tables are currently substantially constituted by a worktop below which legs are perimet-  
rically associated or below which a single leg for resting  
on the ground is associated in a central position with  
respect to the worktop.

**[0003]** These conventional tables cannot be used ef-  
fectively outside homes and in particular they cannot be  
used adjacent to tree trunks, since the ground near trees  
is usually not flat and the trunk furthermore constitutes  
a bulk which hinders the correct positioning and use of  
the table.

**[0004]** The aim of the present invention is to solve the  
above-described problems, eliminating the drawbacks  
of the cited prior art, by providing a table which can be  
used in an outdoor environment with uneven ground and  
even adjacent to the trunk of a tree, while having opti-  
mum stability and planarity characteristics.

**[0005]** Within the scope of this aim, an important ob-  
ject of the present invention is to provide a table which  
is structurally simple and easy and quick to position.

**[0006]** Another important object of the present inven-  
tion is to provide a table which has low manufacturing  
costs and is reliable and safe in use.

**[0007]** This aim, these objects and others which will  
become apparent hereinafter are achieved by a canti-  
lever table characterized in that it comprises a worktop  
which is perimetrically provided with an arc-like recess  
which has means for adapting and fastening to the trunk  
of a tree, a supporting rod of adjustable length being  
pivoted to said worktop.

**[0008]** Further characteristics and advantages of the  
invention will become apparent from the following de-  
tailed description of a particular but not exclusive em-  
bodiment thereof, illustrated only by way of non-limita-  
tive example in the accompanying drawings, wherein:

Figure 1 is a plan view of the table;

Figure 2 is a sectional view, taken along the line II-  
II of Figure 1;

Figure 3 is a view of the table, similar to Figure 1,  
in which the means for adapting and fastening to the  
trunk of a tree are activated in a different man-  
ner;

Figure 4 is another side view of the table.

**[0009]** With reference to the above figures, the refer-  
ence numeral 1 designates a cantilever table which  
comprises a worktop 2 which preferably but not neces-  
sarily has a circular plan shape.

**[0010]** At a perimetric edge 3 of the worktop 2 at least  
one arc-like recess 4 is provided which is preferably but  
not necessarily hemispherical.

**[0011]** At an arc-like recess 4 there are means for  
adapting and fastening the worktop for example to the

trunk of a tree: said means comprise two wings 5a and  
5b which are slightly arc-shaped and are freely pivoted,  
at one end, at a suitable pair of sleeves 6a and 6b which  
are rigidly coupled adjacent to the worktop 2.

**[0012]** Preferably, said two wings are arranged in a  
region that lies below the worktop 2, so that they are not  
visible.

**[0013]** The sleeves are preferably arranged in a mir-  
ror-symmetrical fashion with respect to the diametrical  
axis of the worktop 2 that passes through the centerline  
of the recess 4 and the free ends 7a and 7b of the wings  
5a and 5b are arranged proximate to the perimetric edge  
3.

**[0014]** Said wings are preferably metallic and can be  
actuated, in their rotation with respect to the sleeves 6a  
and 6b, so as to reduce the space formed by the recess  
4 by way, of suitable means constituted by two first  
screws 8a and 8b, the threaded shank whereof is asso-  
ciated at a complementarily threaded nut, designated  
by the reference numerals 9a and 9b, which is rigidly  
coupled at two tabs 10a and 10b which are fixed to the  
worktop 2 and protrude downward from it.

**[0015]** Advantageously, the head of the first screws  
8a and 8b is of the wing type so as to improve grip for  
the user.

**[0016]** The free end of the shank of the first screws  
therefore interacts in the vicinity of the outer lateral sur-  
face of the wings 5a and 5b and therefore allows a  
movement thereof so as to adapt to the curvature of the  
trunk of the tree which can be arranged at the recess 4.

**[0017]** The ends of two traction elements, such as  
bands or belts 11a and 11b, are associated at the free  
ends 7a and 7b of the wings 5a and 5b; their tips can  
be mutually fastened by means of suitable locking de-  
vices, such as a lever 12 which is associated with one  
of the belts and has an adapted traction element 13  
which can be selectively engaged at adapted hooks 14  
associated with the other adjacent belt.

**[0018]** The two belts can also be mutually partially  
overlapped at the their free ends and their fastening al-  
lows to secure the table to the tree trunk.

**[0019]** As an alternative, it is possible to use different  
means which are in any case adapted to allow a reduc-  
tion in the useful space between the free ends of the  
wings 5a and 5b.

**[0020]** A supporting rod 15 whose height or length can  
be adjusted is furthermore present below the worktop.

**[0021]** Said rod 15 is pivoted at one end, by means of  
a suitable pivot 16, at a partially hollow body 17 which  
protrudes below the worktop 2.

**[0022]** Said rod 15 is partially axially hollow at its free  
end and contains a telescopically extendable arm 18  
which can be locked in a chosen position by means of  
an adapted second screw 19 which is fixed at the rod  
15 and whose shank interacts with the arm 18.

**[0023]** The tip of the arm 18 is T-shaped and slightly  
curved so as to allow its correct positioning adjacent to  
the trunk of the tree.

**[0024]** The table is in fact used as follows: first of all it is placed adjacent to the tree trunk at the arc-like recess 4 after opening the belts 11a and 11b.

**[0025]** Depending on the diameter of the tree trunk, the user then tightens the first screws 9a and 9b more or less fully and then places the tip of the arm 18 adjacent to the trunk, locking the mutual arrangement of the arm 18 and the rod 15 in the condition in which the worktop 2 is arranged horizontally.

**[0026]** At this point it is sufficient to tighten the belts 11a and 11b, thus achieving optimum anchoring of the table to the tree trunk.

**[0027]** It has thus been observed that the invention has achieved the intended aim and objects, by providing a table which can be used in an outdoor environment with uneven ground and even adjacent to the trunk of a less than perfectly straight tree while maintaining optimum characteristics in terms of stability and planarity.

**[0028]** The table thus provided is further structurally simple and easy and quick to position.

**[0029]** The invention is of course susceptible of numerous modifications and variations, all of which are within the scope of the same inventive concept. The materials and the dimensions that constitute the individual components of the invention may of course also be the most pertinent according to specific requirements.

**[0030]** The disclosures in Italian Patent Application No. TV98A000121 from which this application claims priority are incorporated herein by reference.

**[0031]** Where technical features mentioned in any claim are followed by reference signs, those reference signs have been included for the sole purpose of increasing the intelligibility of the claims and accordingly, such reference signs do not have any limiting effect on the interpretation of each element identified by way of example by such reference signs.

## Claims

1. A cantilever table, characterized in that it comprises a worktop (2) being perimetrically provided with an arc-like recess (4) which has fastening means (5a, 5b) for adapting and fastening the worktop (2) to the trunk of a tree, and a supporting rod (15) of adjustable length being pivoted to said worktop (2).
2. The table according to claim 1, characterized in that at least one arc-like and preferably hemispherical recess (4) is formed at the perimetric edge (3) of said worktop (2).
3. The table according to claim 1, characterized in that fastening means for adapting and fastening said worktop (2) to the trunk of a tree are provided at said arc-like recess (4), said fastening means comprising two wings (5a, 5b) which are slightly arc-shaped and are freely pivoted, at one end, at two suitable sleeves (6a, 6b) which are rigidly coupled adjacent to said worktop (2).
4. The table according to claims 1 and 3, characterized in that said two wings (5a, 5b) are arranged in a region located below said worktop (2).
5. The table according to claims 1 and 3, characterized in that said sleeves (5a, 5b) are arranged in a mirror-symmetrical configuration with respect to the diametrical axis of said worktop (2) that passes through the centerline of said recess (4), the free ends (7a, 7b) of said wings (5a, 5b) being arranged proximate to said perimetric edge (3).
6. The table according to claims 1 and 3, characterized in that said two wings (5a, 5b) are preferably metallic and can be actuated, in their rotation with respect to said sleeves (6a, 6b) so as to reduce the space formed by said recess (4), by way of suitable means which are constituted by two first screws (8a, 8b) the threaded shank whereof is associated at a complementarily threaded nut (9a, 9b) which is rigidly coupled at two tabs (10a, 10b) which are rigidly coupled to said worktop (2) and protrude downward from it.
7. The table according to claims 1 and 6, characterized in that the head of said first screws (8a, 8b) is wing-shaped.
8. The table according to claims 1 and 6, characterized in that the free end of the shank of said first screws (8a, 8b) interacts adjacent to the outer lateral surface of said wings (5a, 5b) in order to allow a movement of said wings (5a, 5b) in order to adapt to the curvature of the trunk of the tree that can be arranged at said recess (4).
9. The table according to one or more of the preceding claims, characterized in that the ends of two traction elements (11a, 11b), such as belts or bands, are associated at said free ends (7a, 7b) of said wings (5a, 5b), the tips of said traction elements (11a, 11b) being mutually associable by way of adapted locking devices (12) such as a lever which is associated with one of said belts (11a) and has an adapted traction element (13) which can be selectively engaged at suitable hooks (14) which are associated with the other adjacent said belt (11b).
10. The table according to one or more of the preceding claims, characterized in that at least one supporting rod (15) which can be adjusted in terms of length or height is provided below said worktop (2) and is pivoted, at one end and by way of a suitable pivot (16), at a partially hollow body (17) which protrudes below said worktop (2).

11. The table according to claims 1 and 10, characterized in that said rod (15) is partially axially hollow at its free end, a telescopically extendable arm (18) being arranged inside said rod (15) and being lockable in a chosen position by way of a suitable second screw (19) which is fixed at said rod (15) and whose shank interacts with said arm (18). 5
12. The table according to claims 1 and 11, characterized in that the tip of said arm (18) is T-shaped and slightly curved so as to allow correct positioning thereof adjacent to the tree trunk. 10

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