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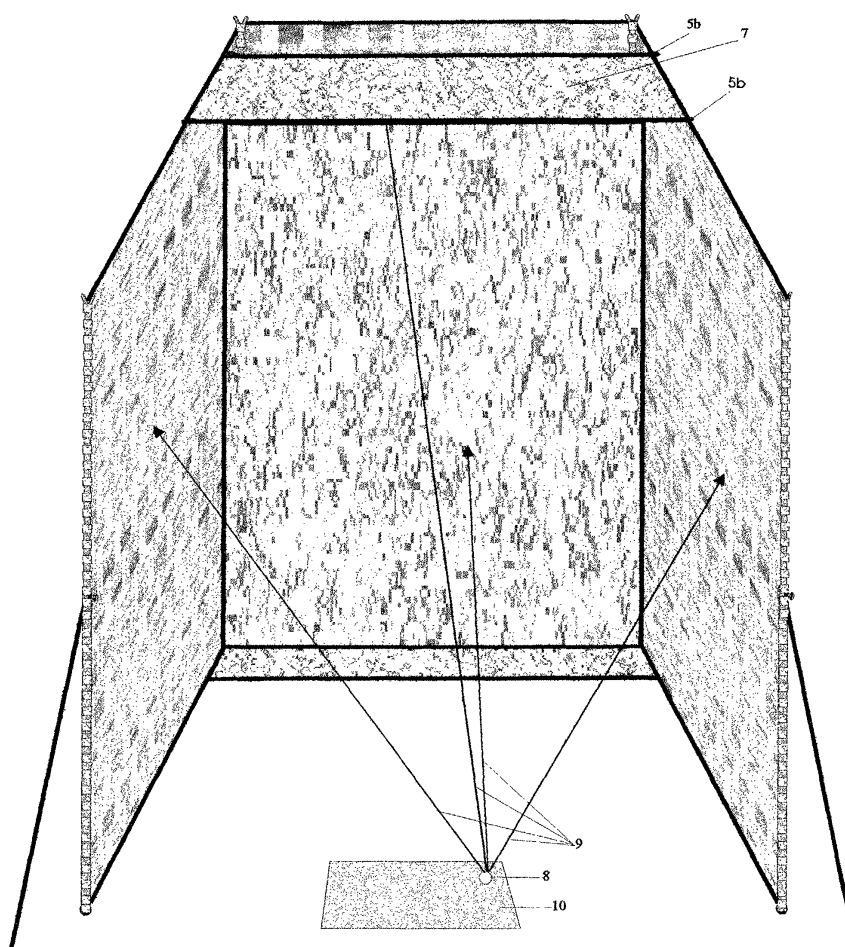
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(72) Inventor: **The designation of the inventor has not
yet been filed**

(54) **Golf driving tee net**

(57) A variable oscillating telescopic support structured net unit with pre marked pole settings that will accommodate variable cover materials and adapt to variable shapes.

Fig F.



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Description

[0001] The present invention relates to in this example, a golf practice facility, for off the Tee, or mat, for driving or pitching into an enclosed practice catch net.

[0002] There are various catch net facilities on the market, some are a fixed system. There is also a collapsible tent like system. These give limited capacities for saving the golf shot and do not allow all-round versatility whereby the unit is easily erected for various uses and easily collapsed for storage and transportation, and will also allow for easy lifting for grass cutting.

[0003] Apparatus and system has now been devised and adapted for in this example a golf practice net. (Namely "TELENET" or "TEENET")

[0004] According to the invention, there is provided a system that incorporates in this example sprung steel and tubular components (other materials can be used):

- i) A variable support structure system that facilitates;
- ii) A sole plate or ground device which incorporates a;
- iii) Receiving aperture to take at least one;
- iv) Telescopic securing pole that further takes at least one;
- v) Telescopic extending pole which can facilitate lug ends whereby;
- vi) The poles can also be used for sizing the shape of the unit and;
- vii) When erected supports and secures a protection net or the like that will;
- viii) Oscillate with the net to dampen shot balls to drop fall and can;
- ix) Extend and adapt to variable shapes and sizes and allow;
- x) Baffle nets and the like to be placed thereon and will.
- xi) Collapse and roll up to form a neat roll that can be placed into a small storage tube or facility.

[0005] The invention will now be described in specific embodiment by way of example only and with reference to accompanying drawings in which:

Fig A. shows an exploded view of the comprising structure parts with gauged setting marks.

Fig B. is a perspective view of an individual telescopic pole unit.

Fig C. is a pre-set desired shape for pole setting.

Fig D. is an Ariel view of a structure shape.

Fig E. is a perspective view of a net fixed on the structure form at base.

Fig F. is a perspective view of the structure form telescoped to full height with a baffle net also in place and showing the drive angles of some golf shots.

Fig G. is a perspective view of an erected desired facility for screening.

Fig H. is a perspective view of an erected net for say volleyball.

Fig J. is a view of the facility rolled and ready for storage to a tube

Fig K. is a view of a segmented net.

Fig L. is a view of a baffle net.

Fig M. shows the poles lay out to form the desired angle shape and how to use the pole to set identical splay angles.

Fig N. shows a ground lughole pre-forming tool that is also used for a lug-extracting tool.

Fig O. shows a lug-extracting tool in place lifting a lug from the ground.

Fig P. shows a lug-extracting tool that will lift the lug clear.

[0006] Referring to the drawings, and initially to:

FIG A. 1's are the ground lugs (or floor sole plates, not shown). 2 are the telescopic poles. 2a are the threaded nutserts. 2b are the thumbscrews. 2c are the one-meter centre section marks. 3 are the telescopic extension poles. 3a are the top lug ends. 3b are the two-meter section marks. 3c are the full height marks.

Figs B. shows the extending pole 2 inserted into ground lug 1 placed below ground level 4 whereby extending pole 3 is inserted into telescope pole 2 as a two-extension unit. (More extension poles can be installed, not shown).

Fig C. shows the ground lugs 1 placed in a desired pre-marked pole shape for a golf practice net. Indi-

cators of length marked on the extending poles can set out this shape as Fig M.

Fig D. Is an Arial view of the structure and also the net formation.

Fig E. shows the net 5 linked over the units as 5b with outer edge of net 5a held in place over extending pole lugs 3a. Guy ropes 6 braces if needed.

Fig F. is the structure extended to full height with baffle net 7 in place fixed at 5b and left to drape, will slow the golf ball 8 down on impact to a dead fall at the back net. That is whereby the golf ball 8 is shot from mat 10 as indicated by variable angles of arrows 9 and will hit the baffle net 7 to a dead fall to ground. The overhead canopy fixed at Sb will stop lofted balls going over. The unit used without the baffle net in place, the ball will hit the back net that hangs forward secured on the top pole only while hanging forward on its extended net loops, the sprung poles will oscillate with the net to render the ball dampened to a drop fall.

Fig G. is a perspective view of a series of units giving a screen wall structure.

Fig H. is a perspective view of one type of a volleyball structure.

Fig J. shows a structure that has been collapsed and rolled into shape 5 to be stored into tube 11.

Fig K. is a segmented net in two-meter sections whereby the loops 5b would be placed over the telescopic poles and the top loop would be supported over the top pole lug, so when the poles are extended the loops will run up the poles and hang forward so that the ball when hit will not reach the poles to ricochet off.

Fig L. is a view of a baffle net whereby loops 5b would be fixed to the top of the main net to form a baffle in front to slow the ball down before catching on the main net.

Fig M. shows three poles adjusted to the two-meter mark (3b) to lay out to form the desired shape for a six-meter net. The last pole is placed at the back pole at the one meter mark 2c and extended to 3b and is then taken on the arc to the opposite arrowhead 3b and this sets the identical angle of splay. Holes are then placed as at 1 and the ground lugs are inserted there, whereby all the poles can then be placed as at 1.

Fig N. shows a (hole) pre-forming tool 13 whereby it is hammered at 13b for 13a to pierce the soil,

whereby the ground lug 1 can then be inserted there.

Fig O. shows the (hole) pre-forming tool 13 used as an extracting tool, whereby the end 13b is placed into ground lug holes 1a, and the tool 13 is levered over item 14 to extract the ground lug partly from the soil.

Fig P. Further to Fig O, the ground lug 1 is finally lifted out by tool 13.

Claims

1. A self-sprung, gauged marked, shock absorbing, oscillating variable telescopic net and supporting unit.
2. Pre-marked units that will form into and set out specifically designed structures according to claim 1.
3. Bottom self sprung gauged marked sections preferably square shaped to insert into square ground lugs that will keep the thumb retaining screws in fixed positions to accommodate and act as guide rope catches according to claims 1 and 2.
4. Top telescopic gauged marked sections in round form section with top lugs that will carry a pre-formed net according to claims 1 to 3.
5. A preformed sectioned net with inbuilt extending lugs to suspend and hold the net in a frontal hung position in front of the units to take golf shots to the net kept from the units to spring and dampen the golf ball to a drop fall according to claim 1 to 4.
6. Gauge marked round section telescopic support units according to claim 1 to 5.
7. Gauged marked square section telescopic support units according to claim 1 to 6.
8. A square sole plate or lug device which facilitates self sprung shock absorbing support units according to claims 1 to 7.
9. A square sole plate or lug device that can be extracted by its pilot-hole tool according to claims 1 to 8.
10. A pilot-hole tool that doubles for an extracting lug tool according to claims 1 to 9.
11. Telescopic support units with a top catch lug to facilitate a pre-formed lugged net or similar material according to claims 1 to 10.

12. A pre-gauged telescopic support structure that will form into various shapes and sizes according to claims 1 to 11.
13. A support structured unit that can be collapsed whole and rolled directly into a form to be stored in a tube according to claims 1 to 12. 5
14. A support structured unit that can be extracted from its storage tube whole and placed into its pre-formed (ground) lug placements and erected for its full structure according to claims 1 to 14. 10
15. A portable storage tube that will facilitate a complete rolled and packed telescopic support protection structure, according to claims 1 to 15. 15

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Fig A.

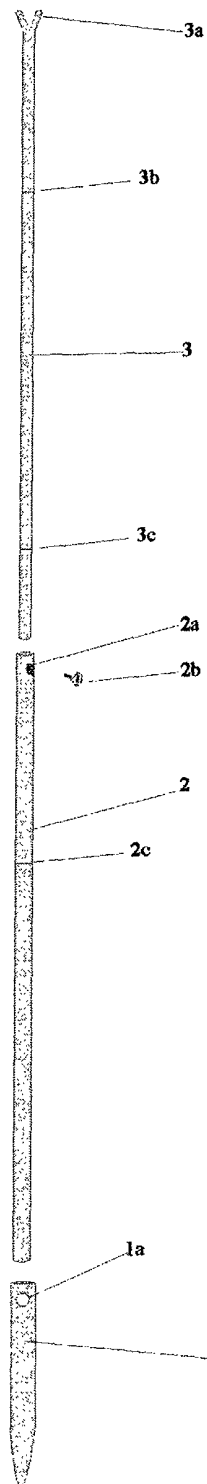


Fig B.

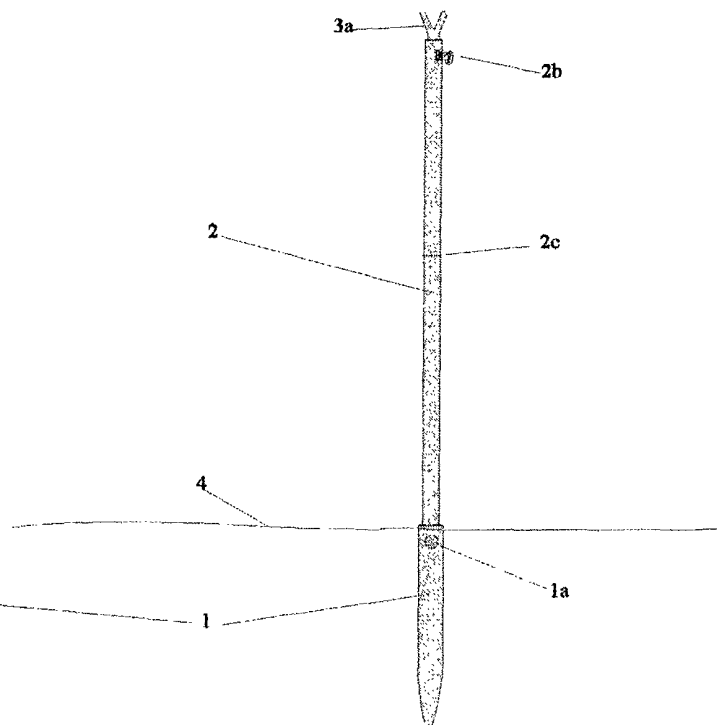


Fig C.



Fig D.

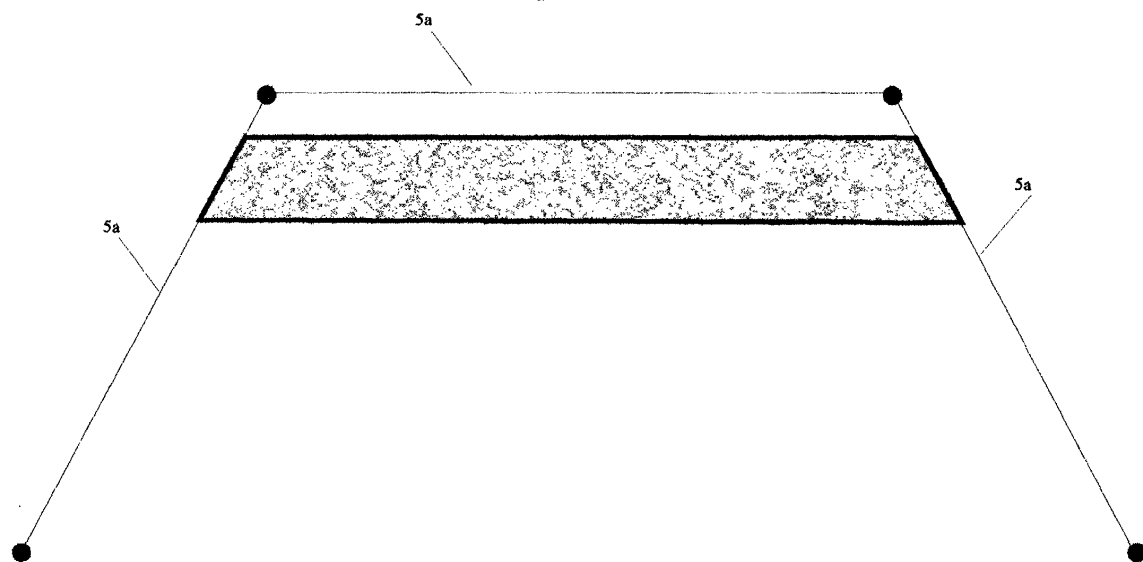


Fig E.

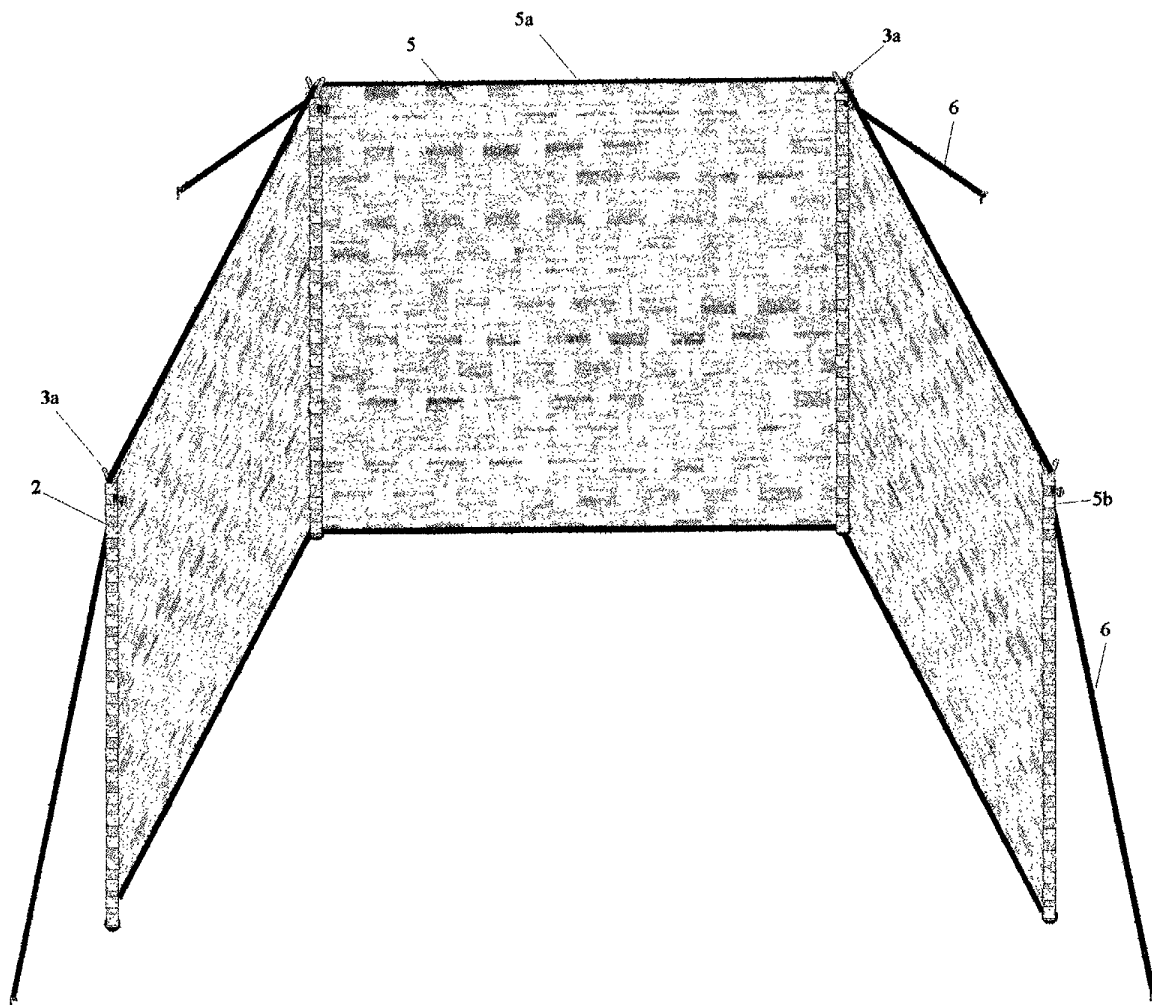


Fig F.

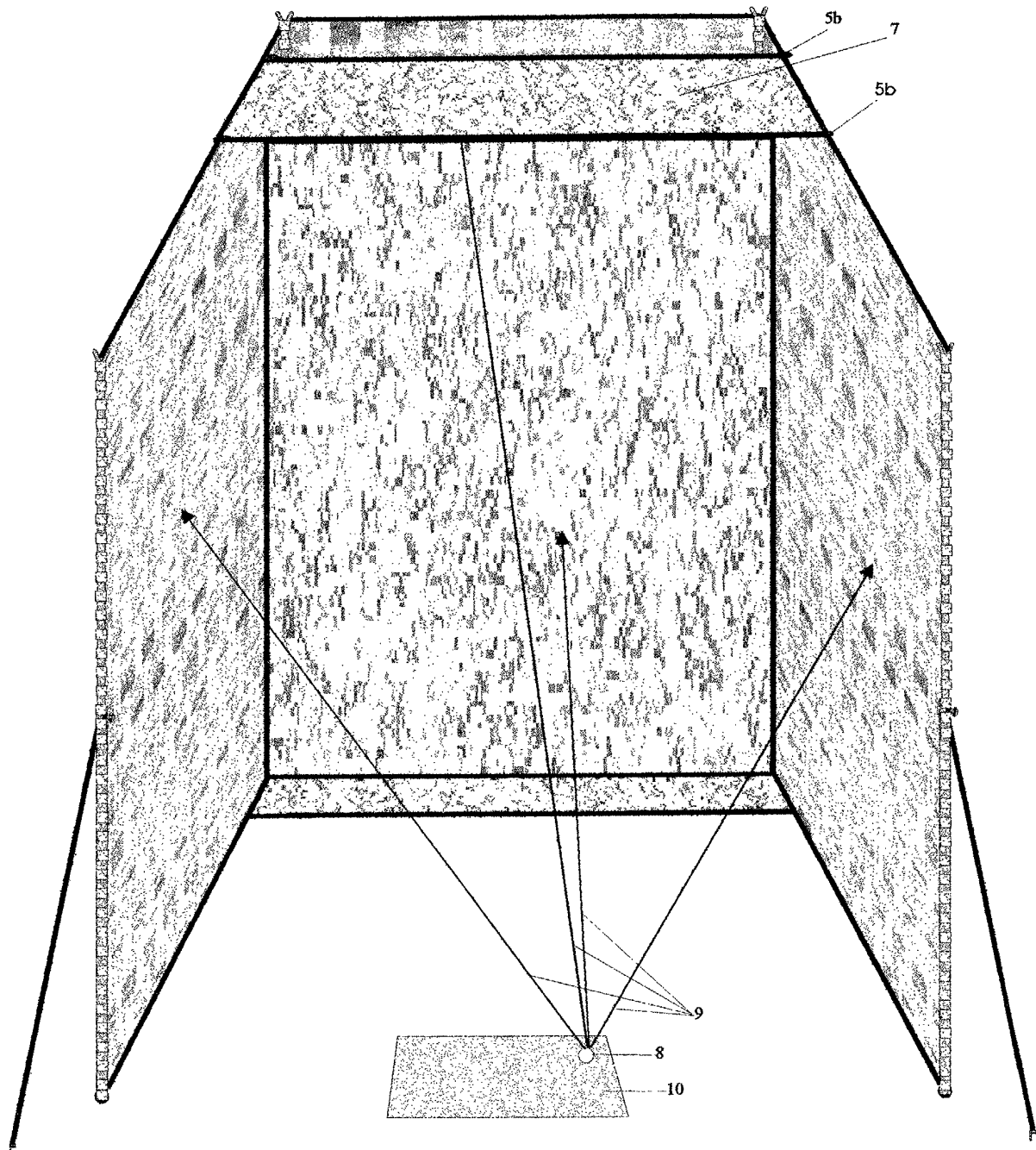


Fig G.

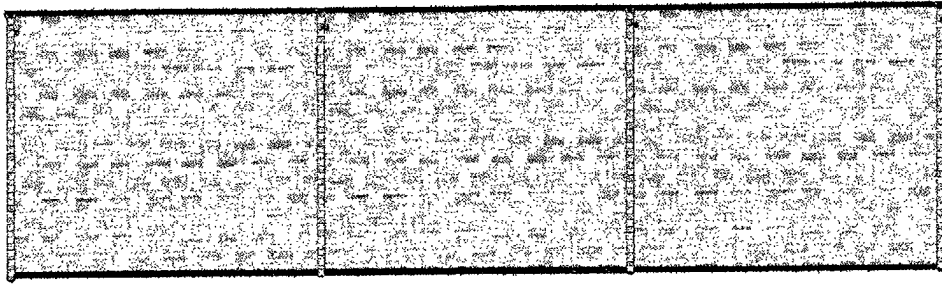


Fig H.

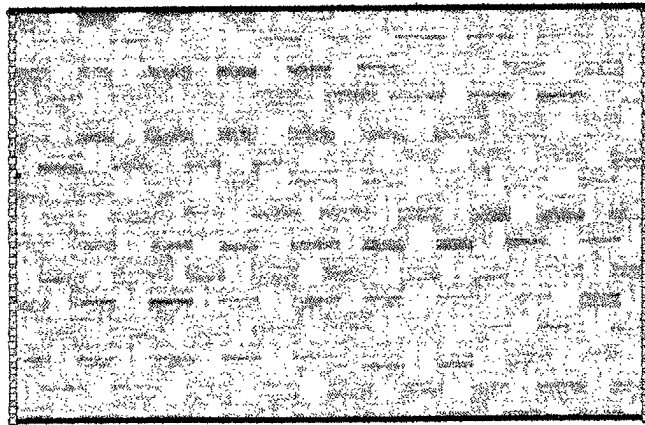


Fig J.

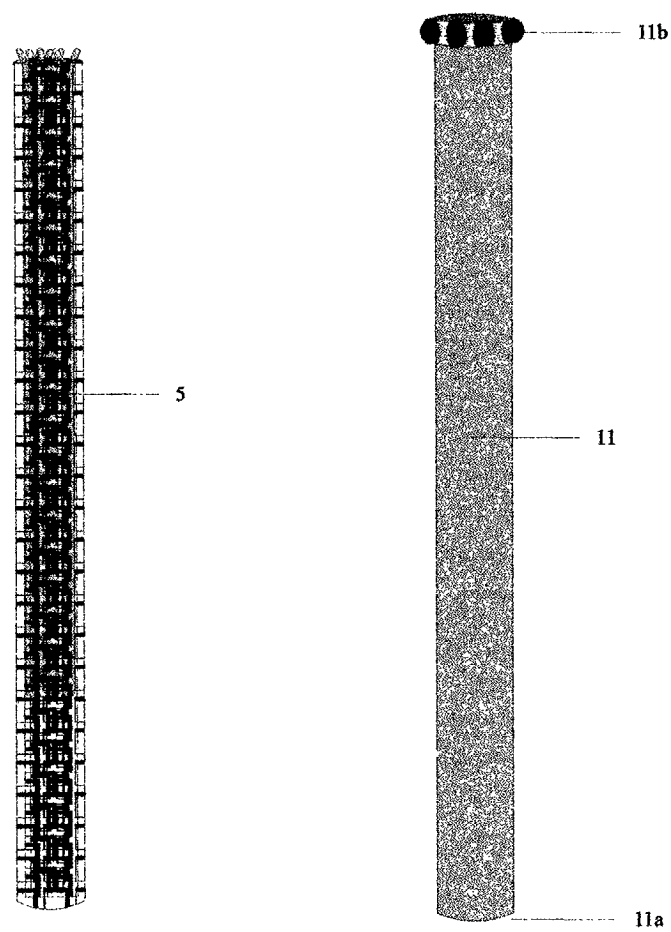


Fig K.

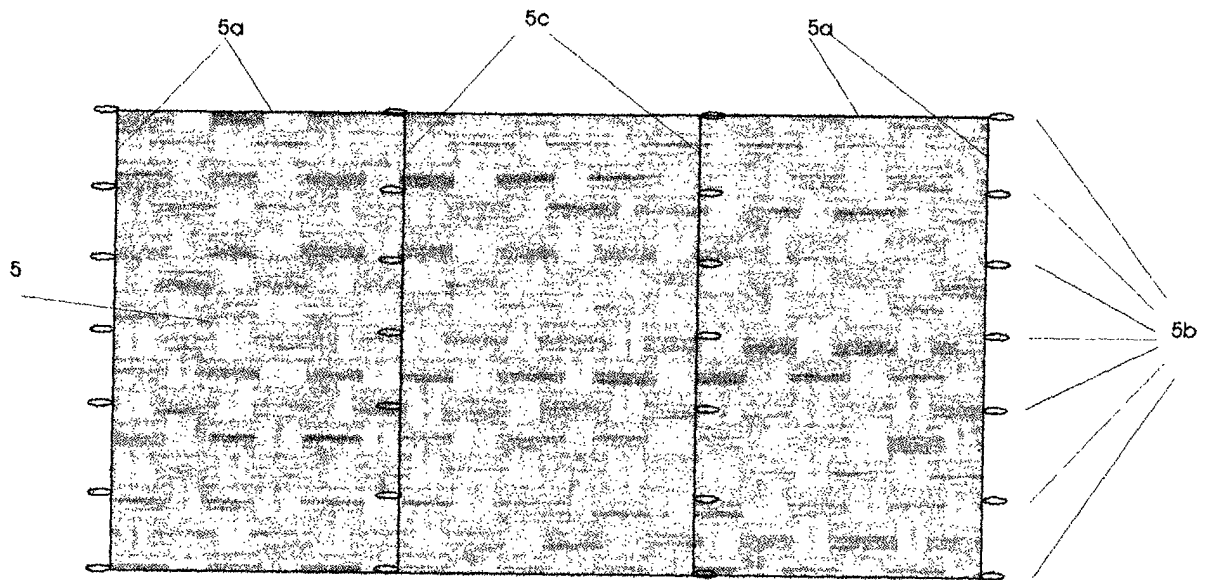


Fig L.

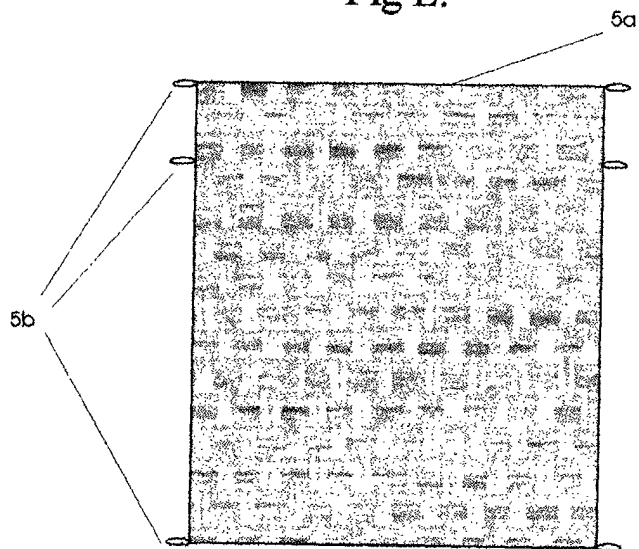


Fig M.

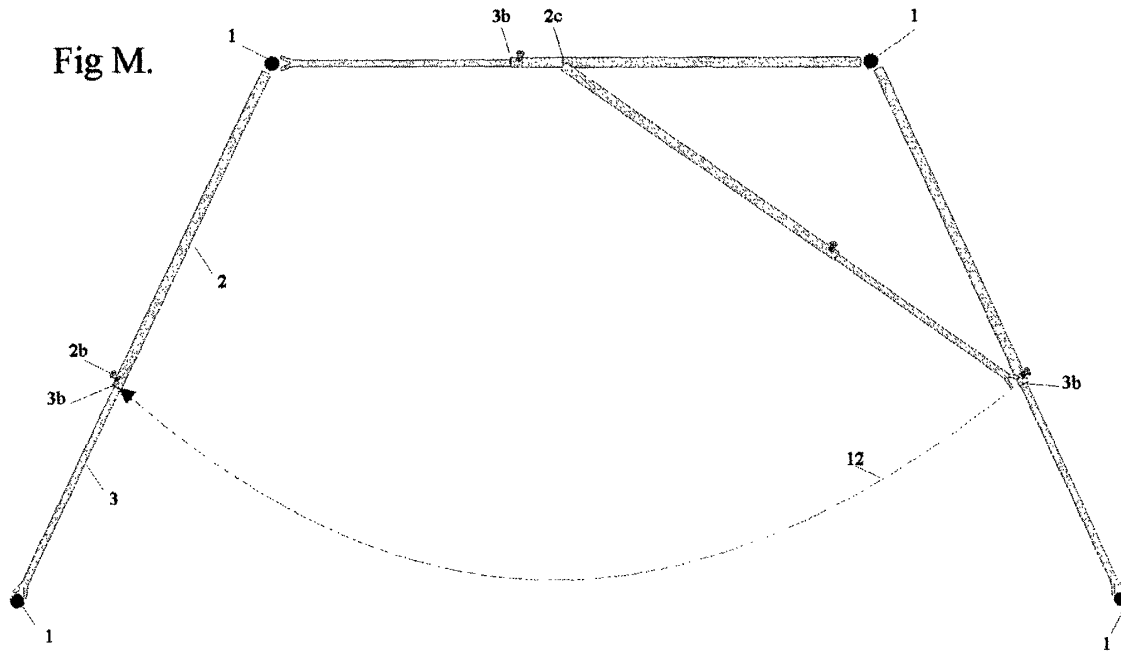
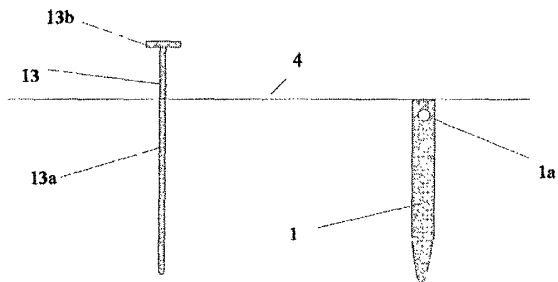
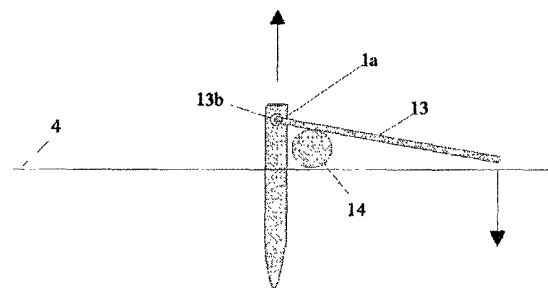


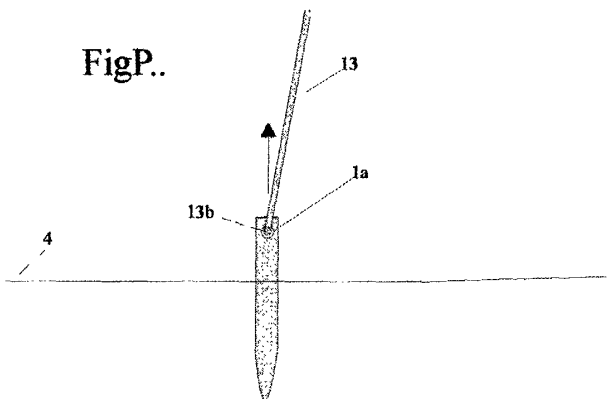
Fig N.



FigO..



FigP..





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EUROPEAN SEARCH REPORT

Application Number
EP 02 25 4005

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X	US 1 540 670 A (G. VIDMER) 2 June 1925 (1925-06-02) * figures 1-5 *	1-15	
X	US 4 880 239 A (LENEVEU MICHEL R) 14 November 1989 (1989-11-14) * abstract; figures 1,8 *	1-15	
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X	GB 934 599 A (INDIANA HEAD MILLS INC;JOINT APPLICANT J DENTON LTD) 21 August 1963 (1963-08-21) * page 1, line 20 - line 52; figures 1-8 *	1-15	
X	GB 408 944 A (ERNEST JAMES WESTCOTT HOUSDEN) 17 April 1934 (1934-04-17) * the whole document *	1-15	TECHNICAL FIELDS SEARCHED (Int.Cl.7) A63B
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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 20 September 2002	Examiner Curzi, D
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82