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A01G 9/02

(52) UK CL (Edition V)
A1E EAKX

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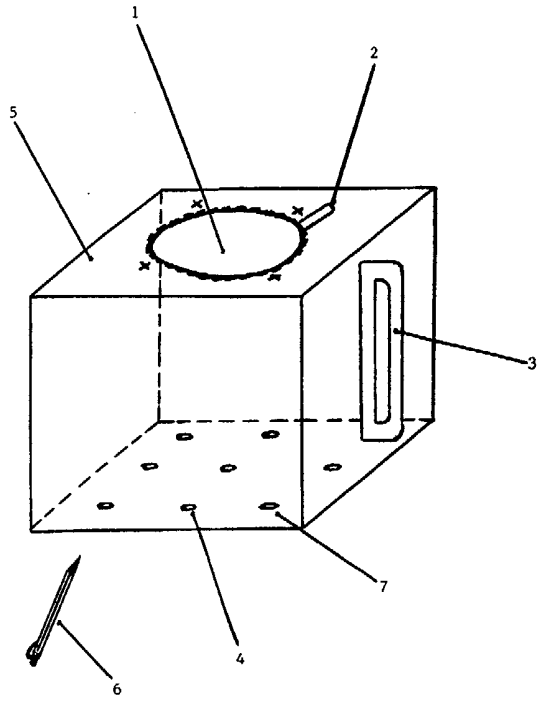
(58) Field of Search
UK CL (Edition V) A1E
INT CL[7] A01G
Other: EPODOC, WPI, JAPIO

(54) Abstract Title
A plant growing bag or container

(57) A portable container fitted with handles and filled with compost or growing medium. Constructed in a flexible plastic material the container has a planting hole which may be accessed by a pull-tag easily removable cover. The base of the bag may be punctured to produced draining holes. The device may be supplied with polystyrene blocks which are placed inside the planting hole between the top of the compost and the plastic skin. This raises the outer wrapping, creating a space around the top of the bag, to allow for easier watering. The containers may be fitted with protective bird net covers or cloche covers.

FIG 1



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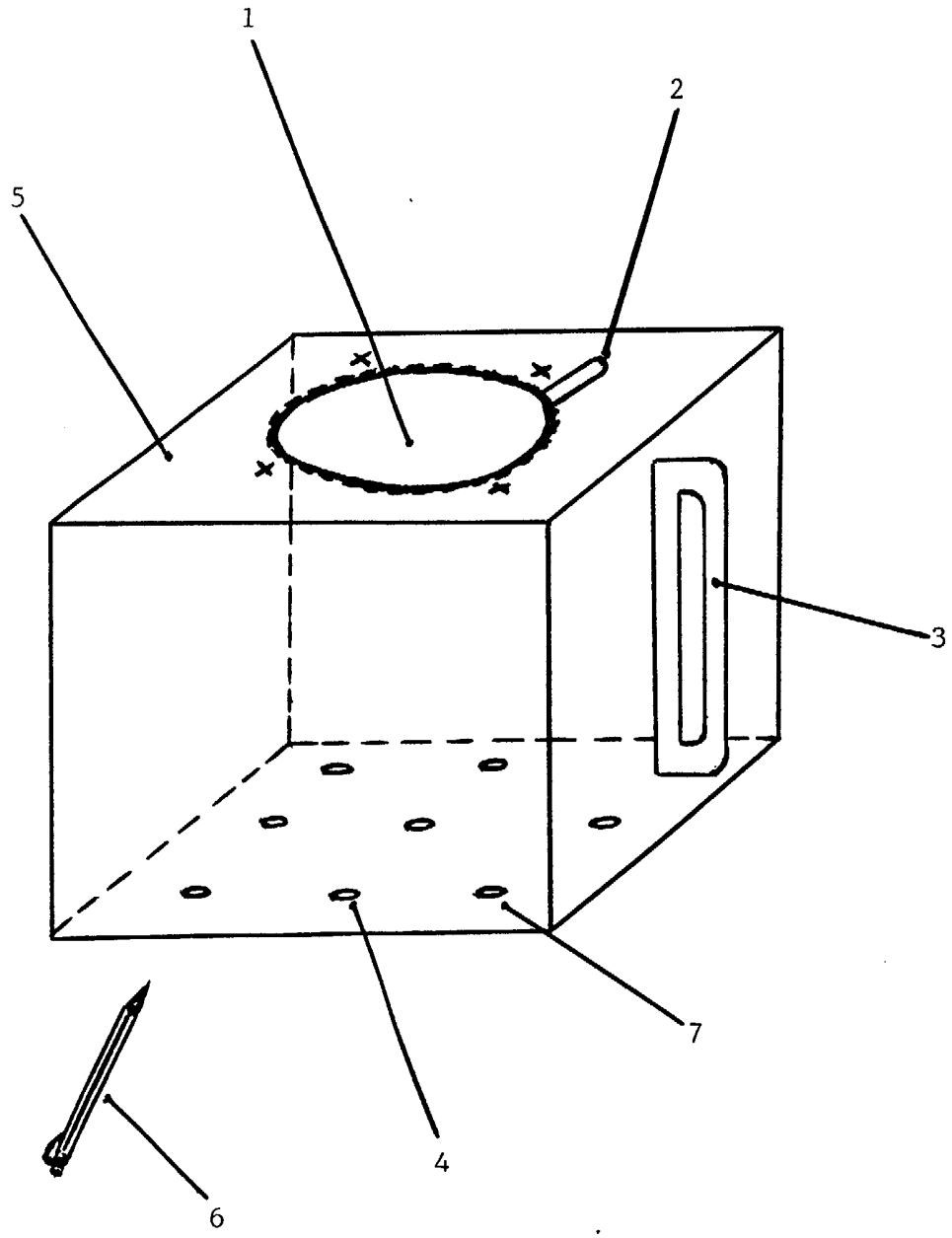
SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

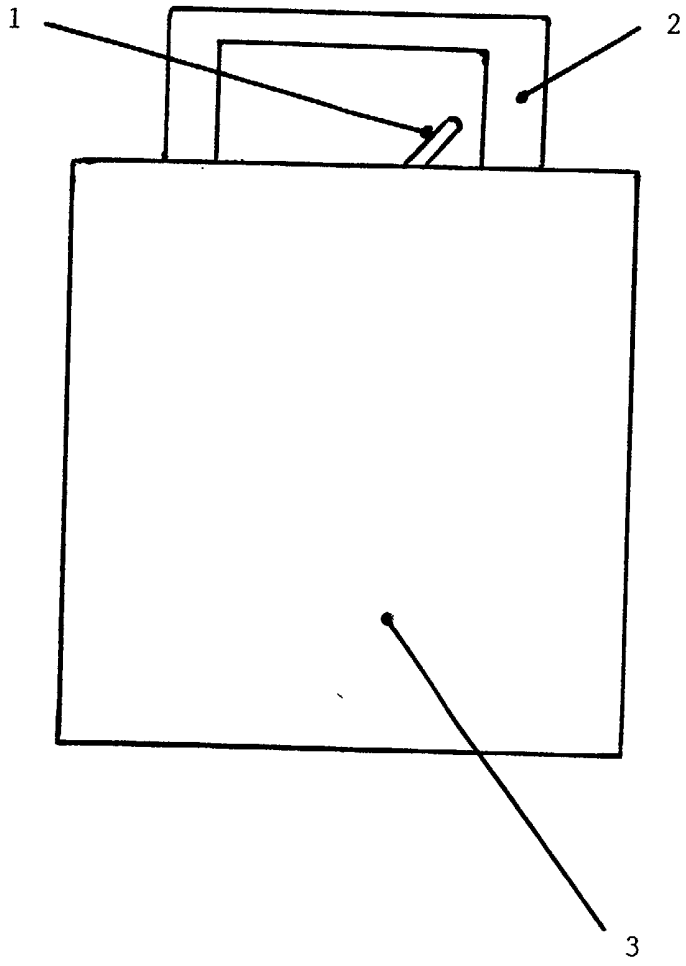
FIG 1



SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

FIG 1 (A).

(FRONT) VIEW.



SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

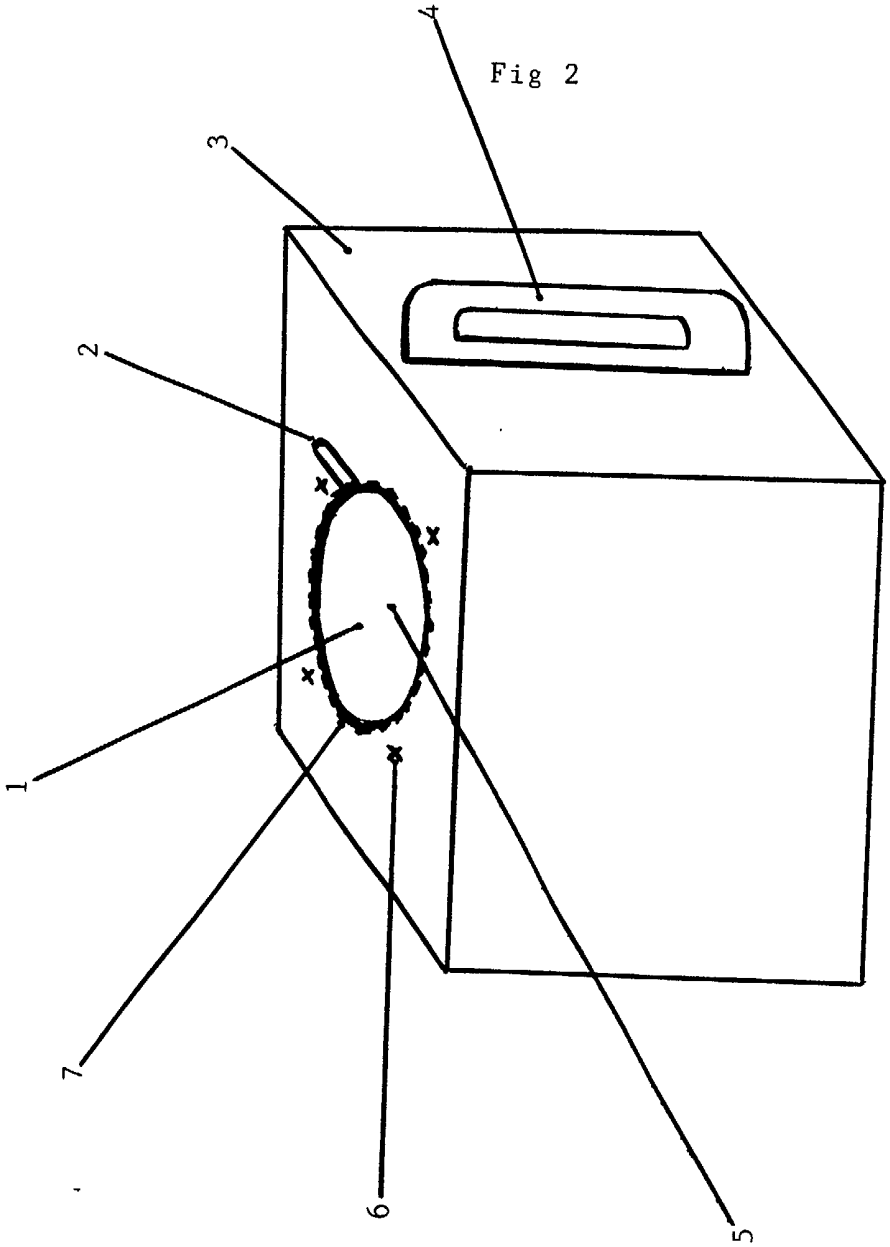
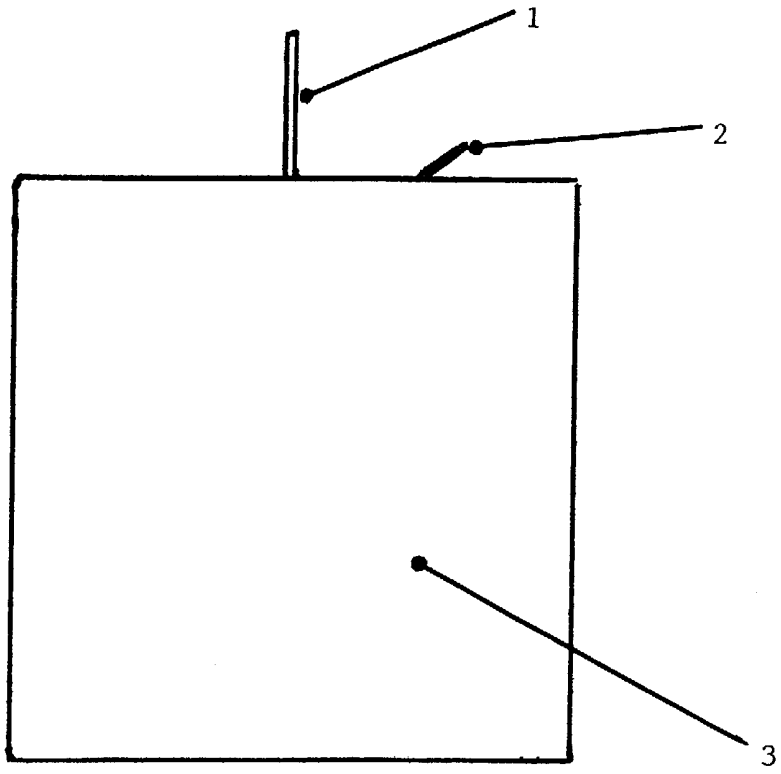


Fig 2

SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

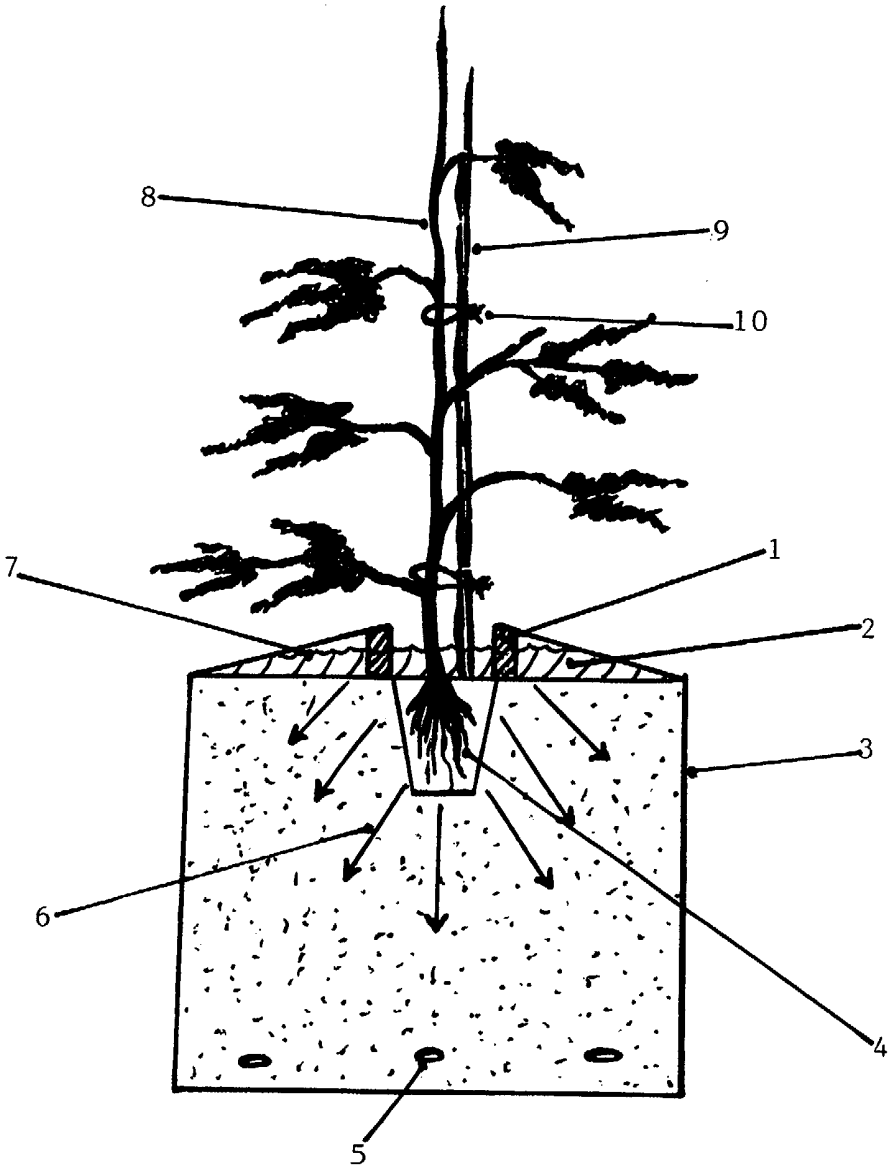
FIG 2 (B).

(SIDE) VIEW.



SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

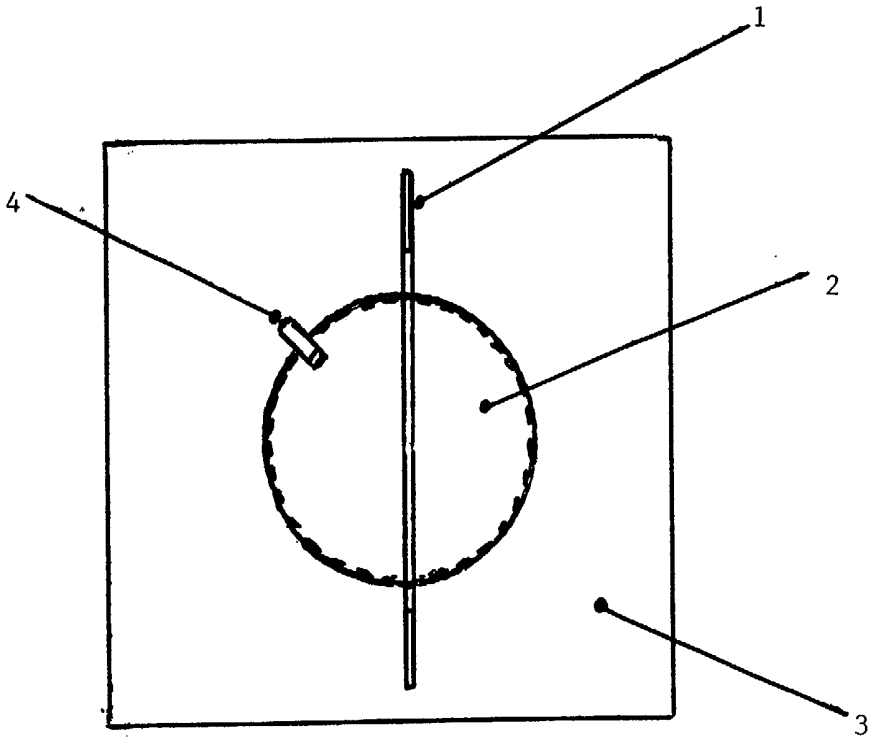
FIG 3



SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

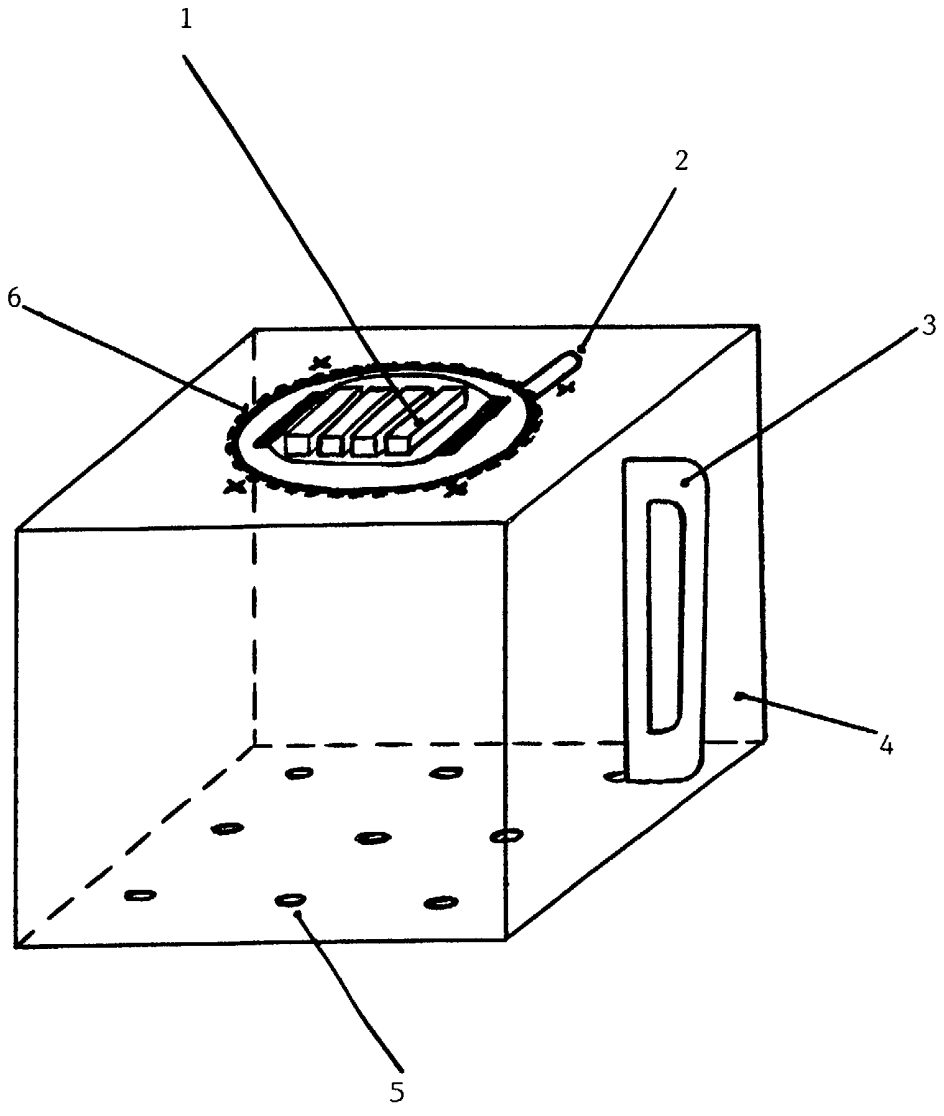
FIG 3 (C).

(TOP) VIEW.



SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

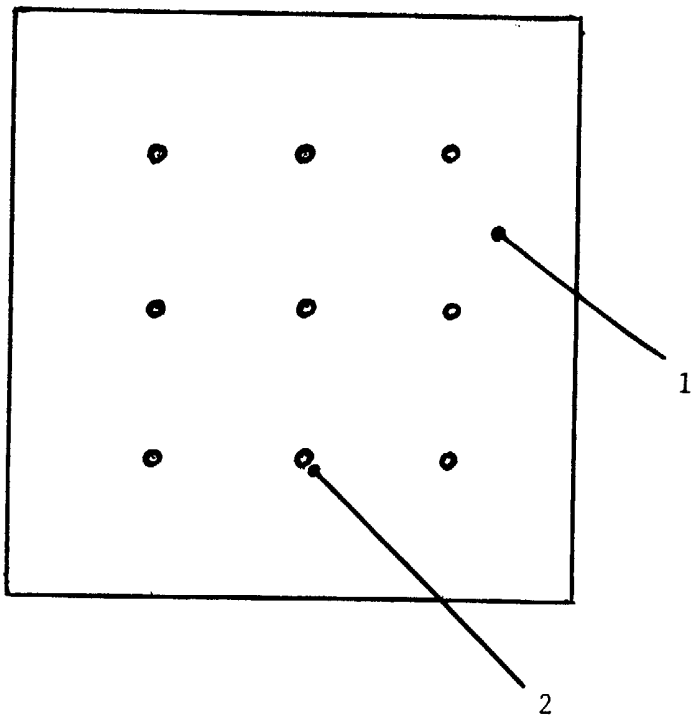
FIG 4.



SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

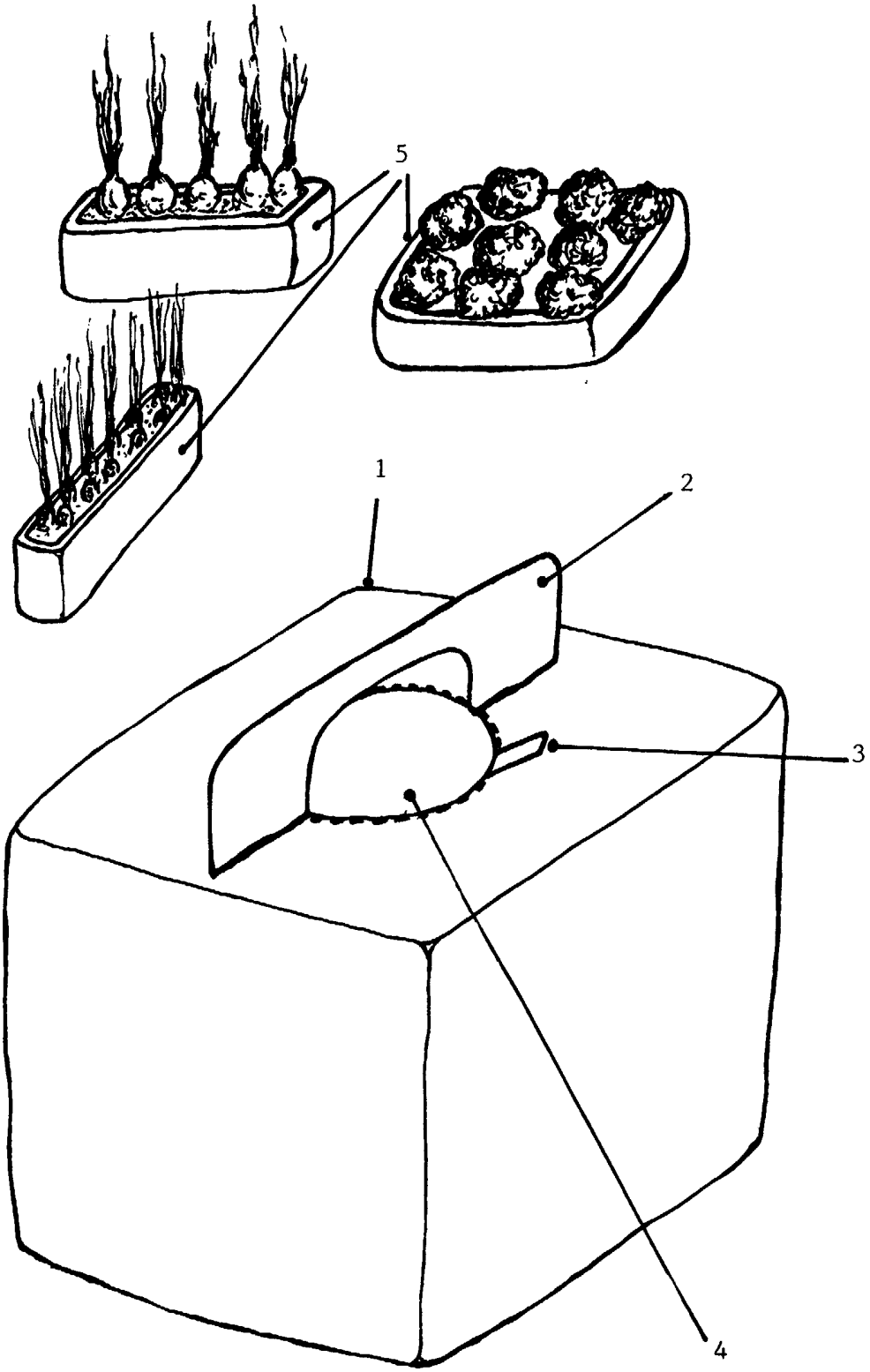
FIG 4 (d).

(BASE) VIEW.



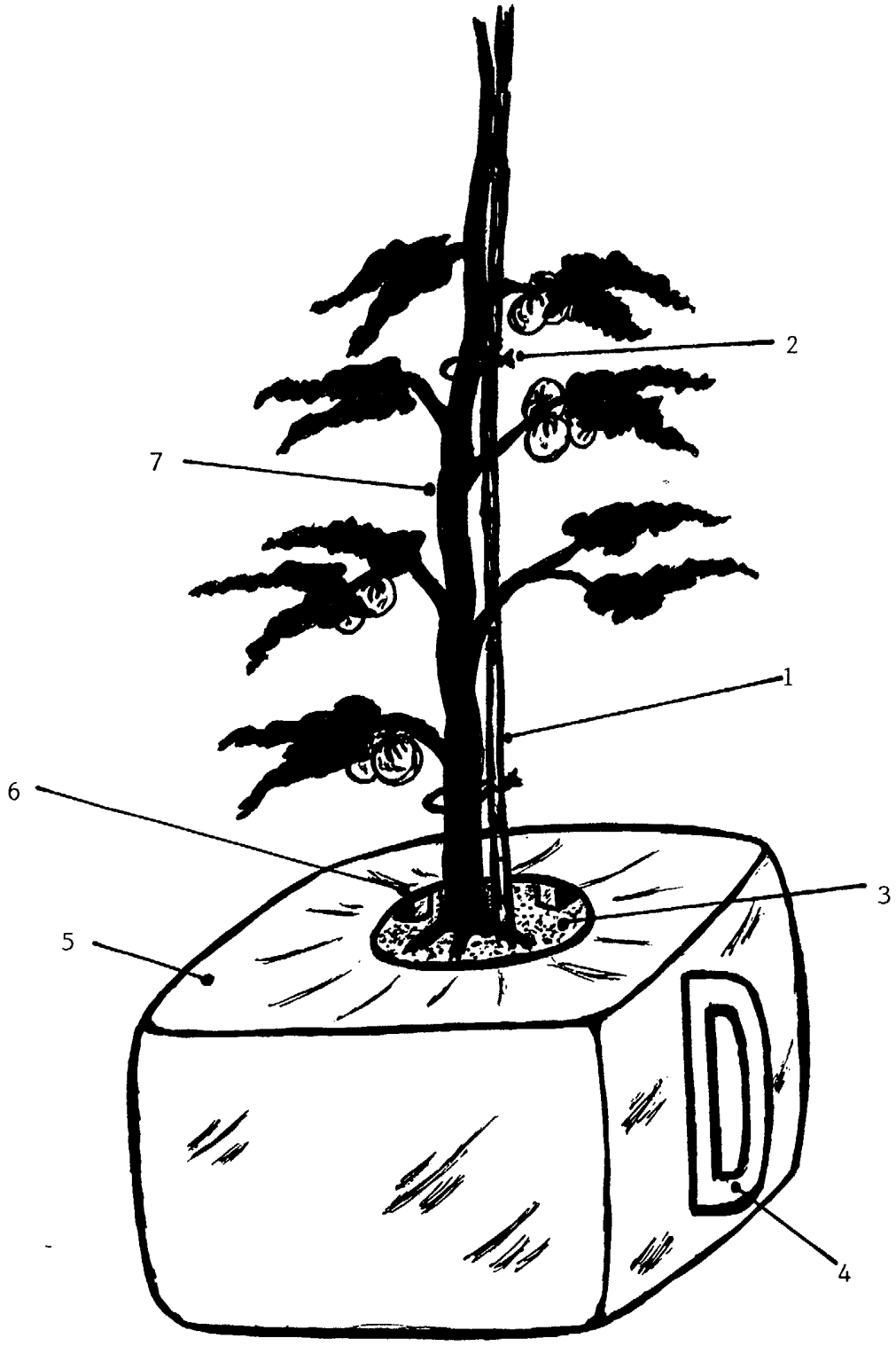
SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

FIG 5.



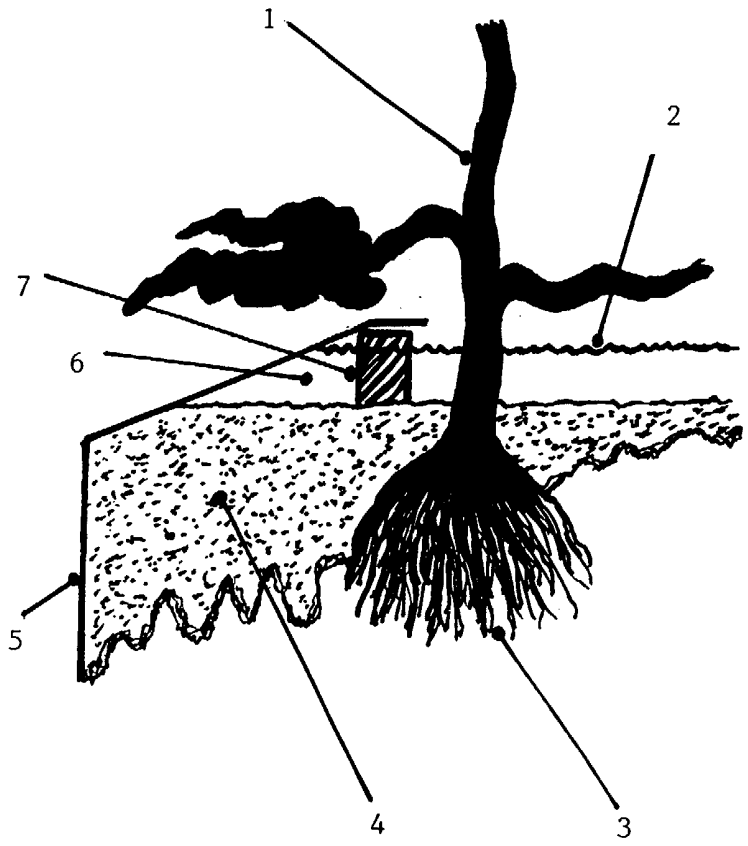
SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

FIG 6.



SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

FIG 7.



SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER

FIG 8.

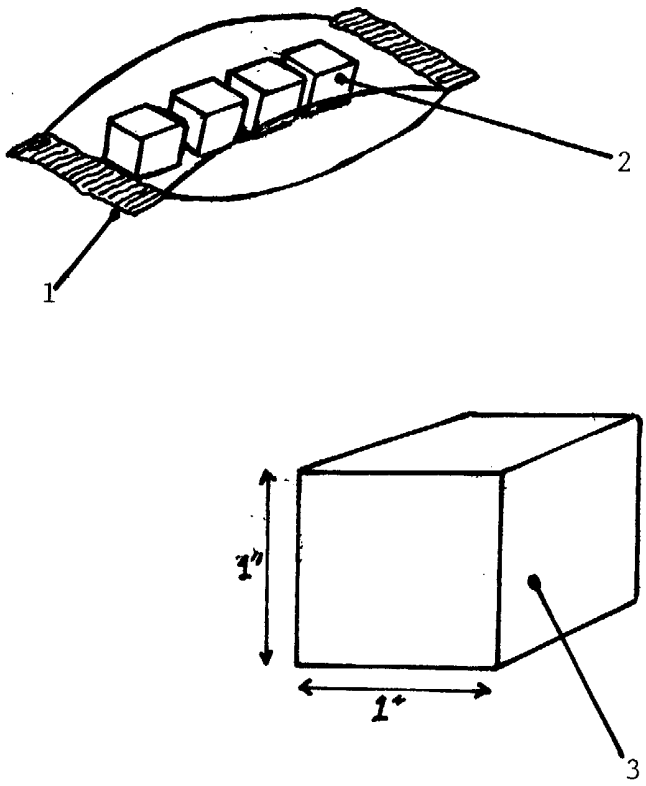
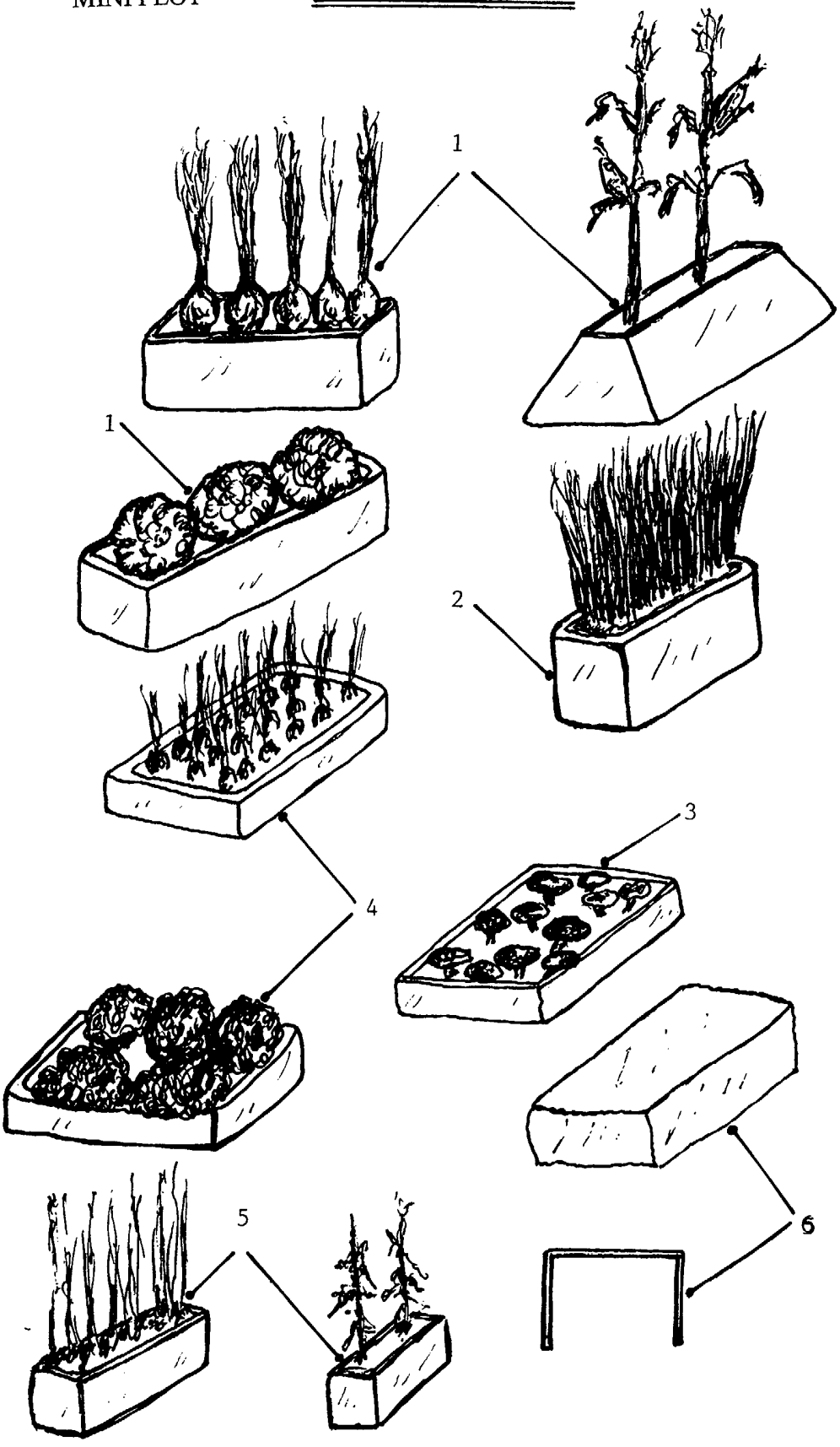


FIG 1.

MINI PLOT



MINI PLOT

FIG 2.

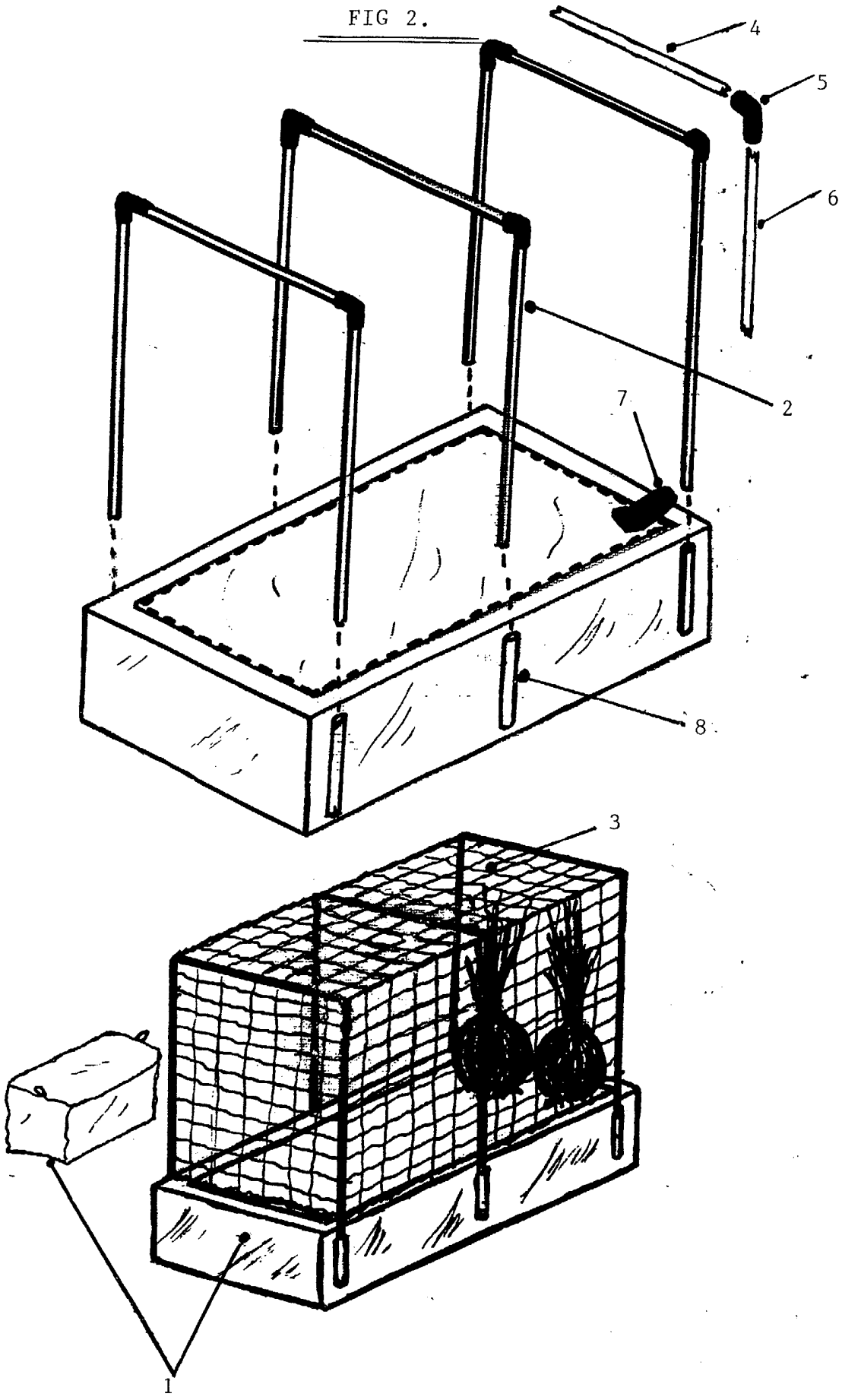
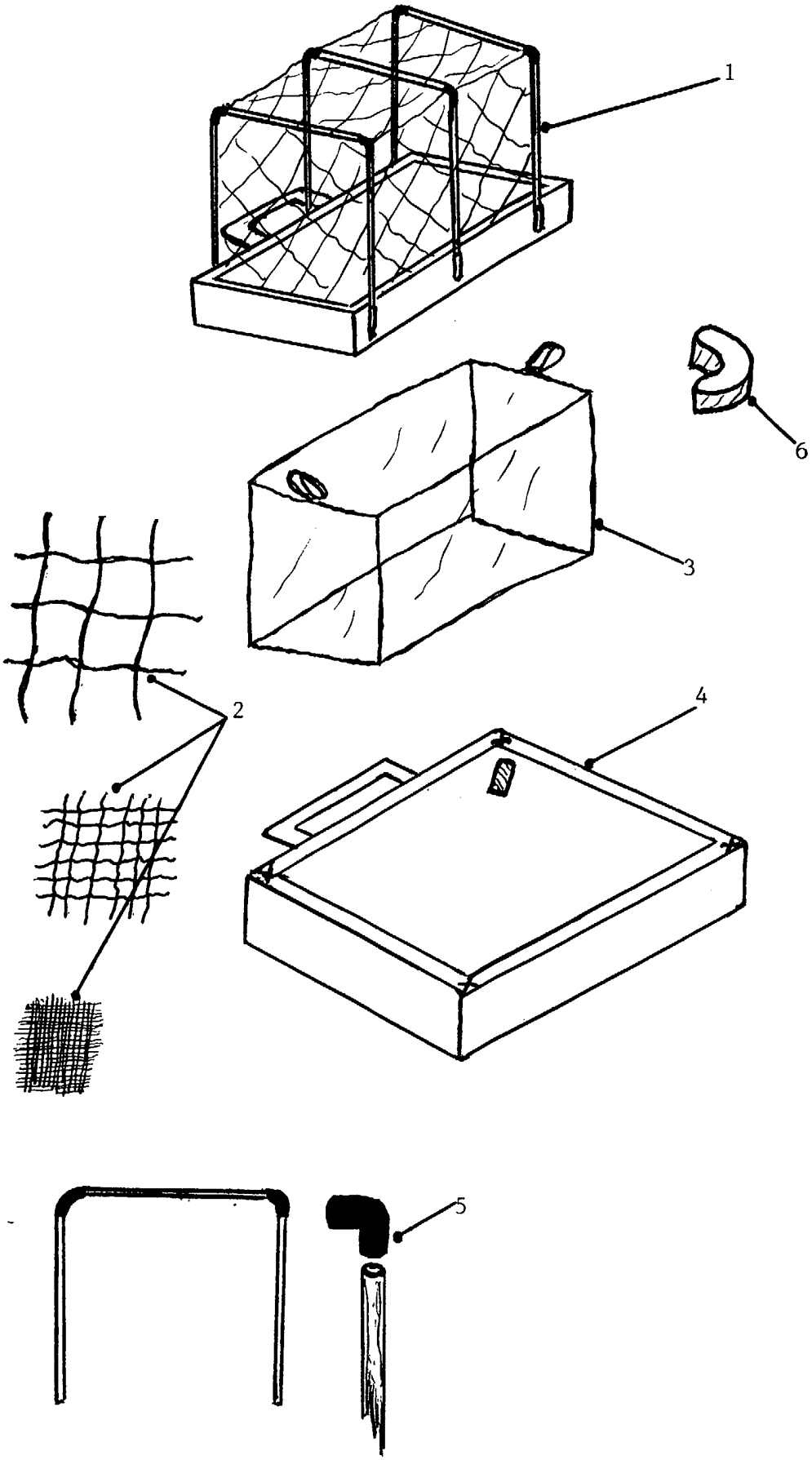


FIG 3.



MINI PLOT 16/25

FIG 4.

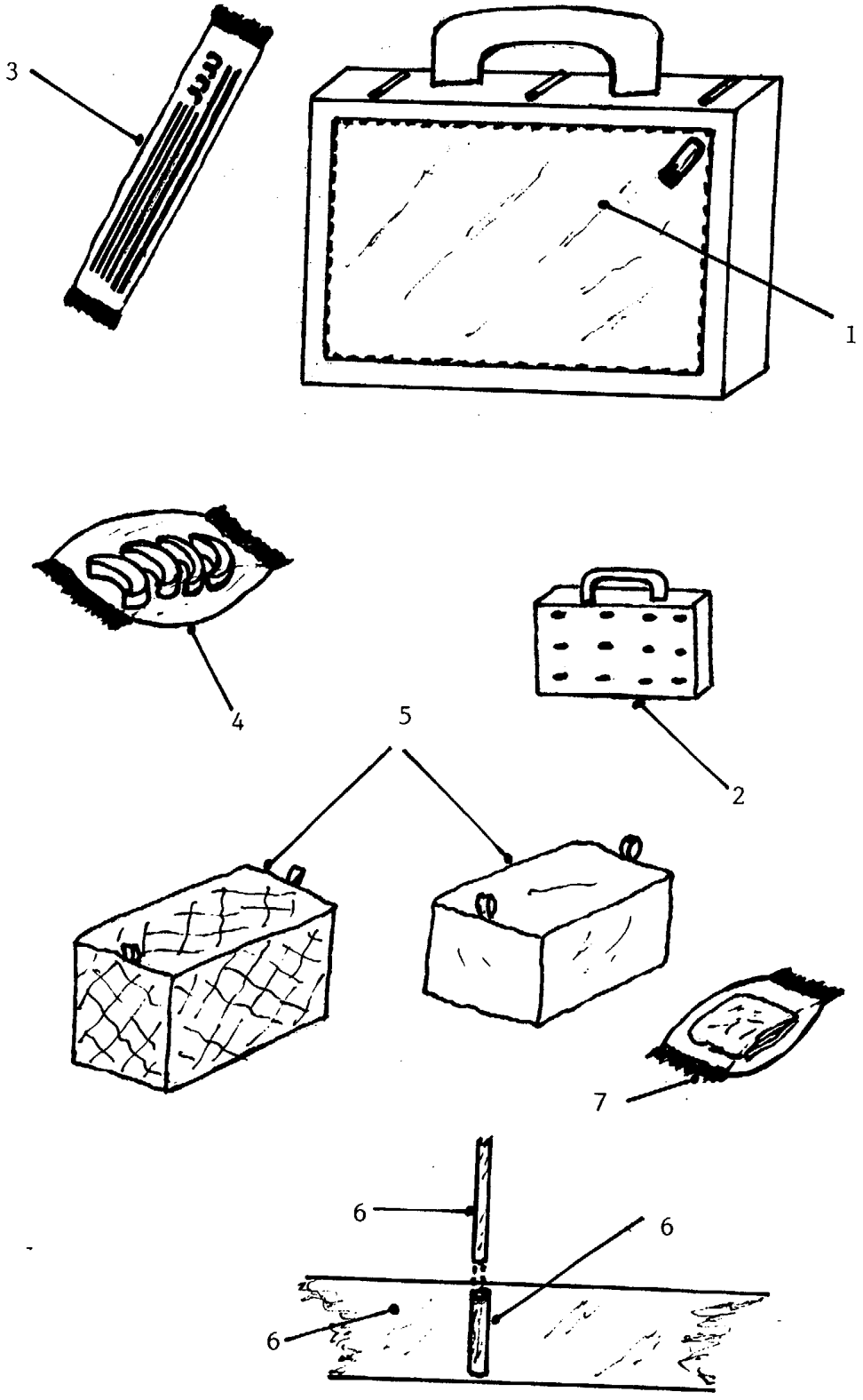
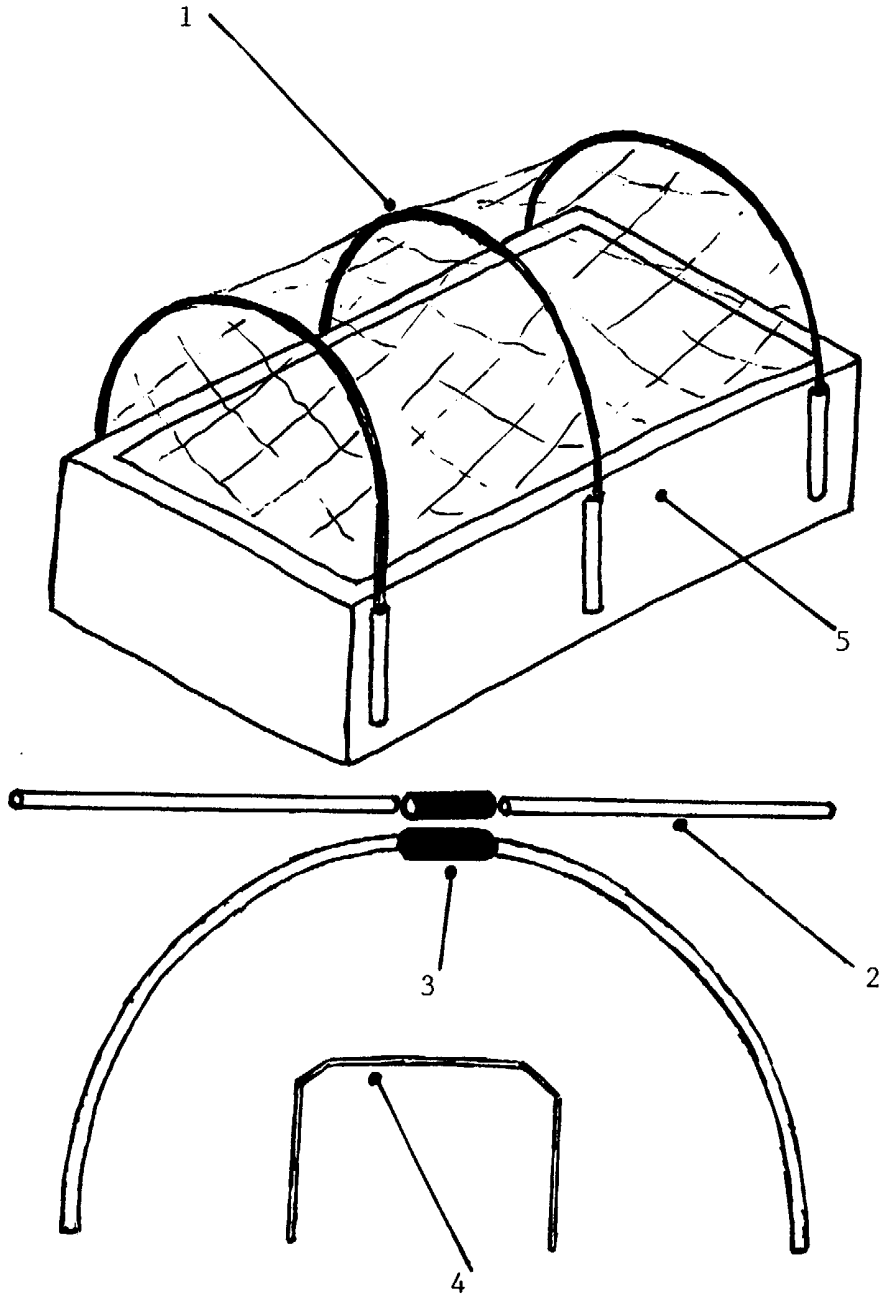
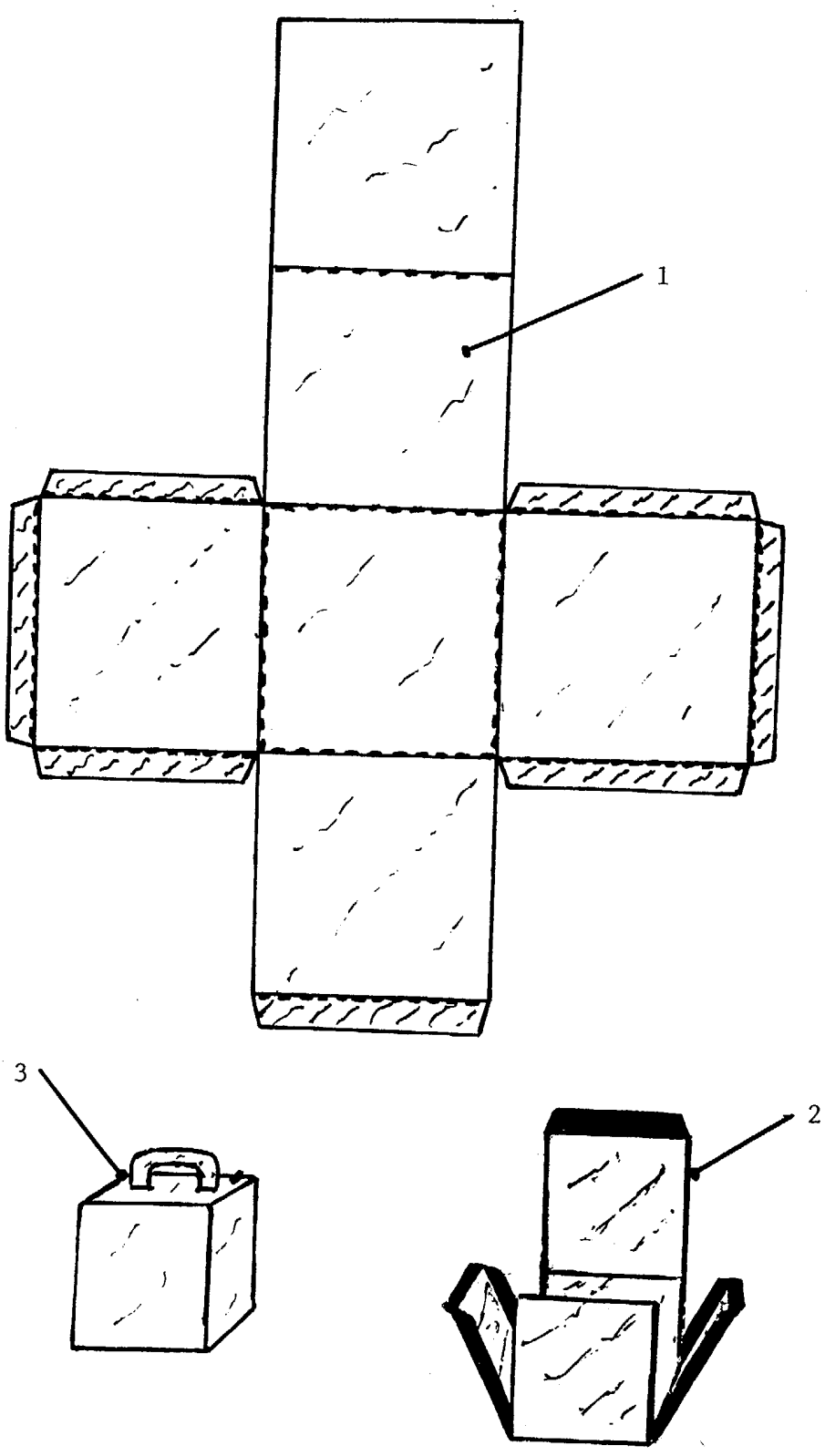


FIG 5.



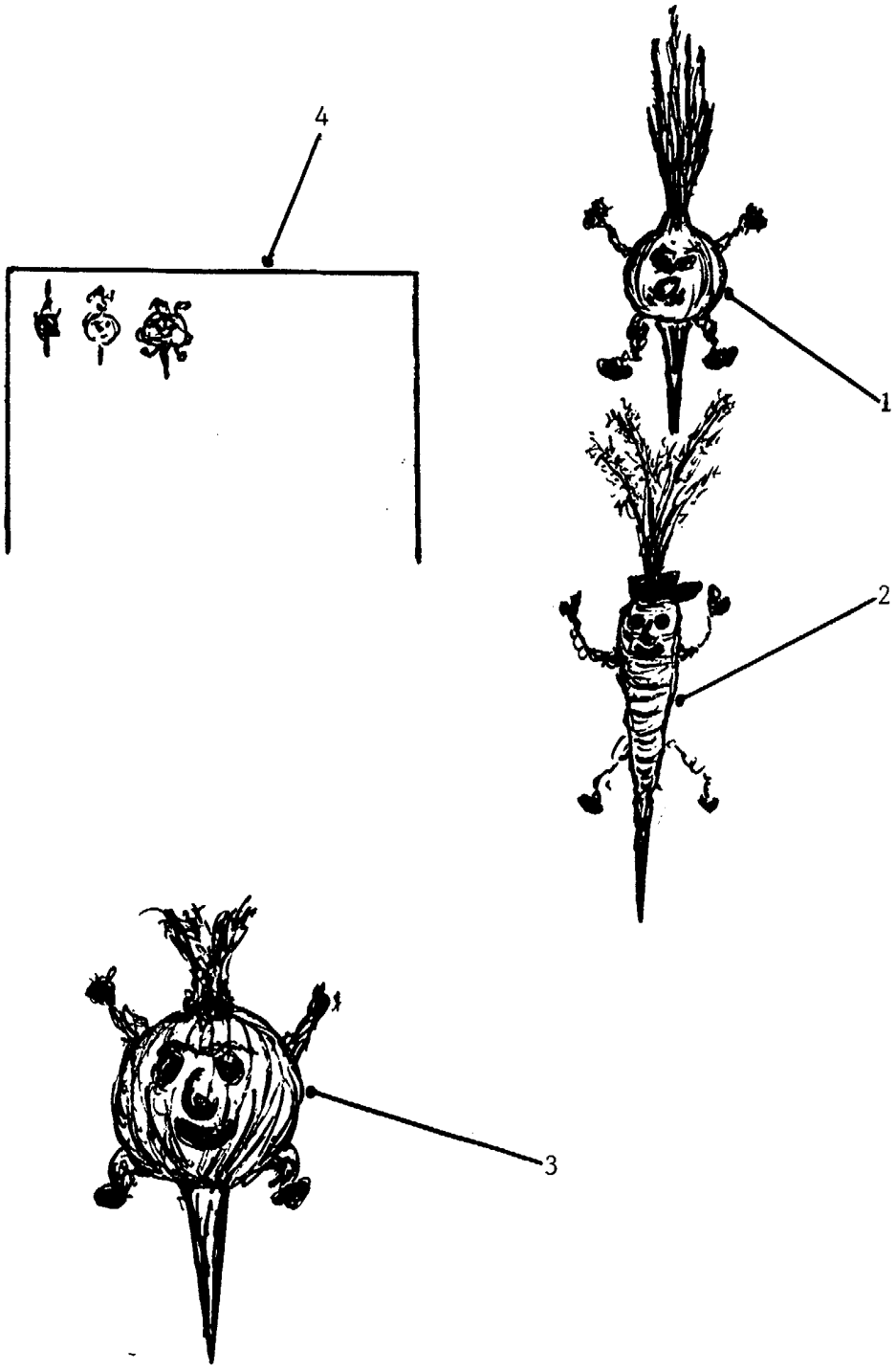
MINI PLOT 18/25

FIG 6.



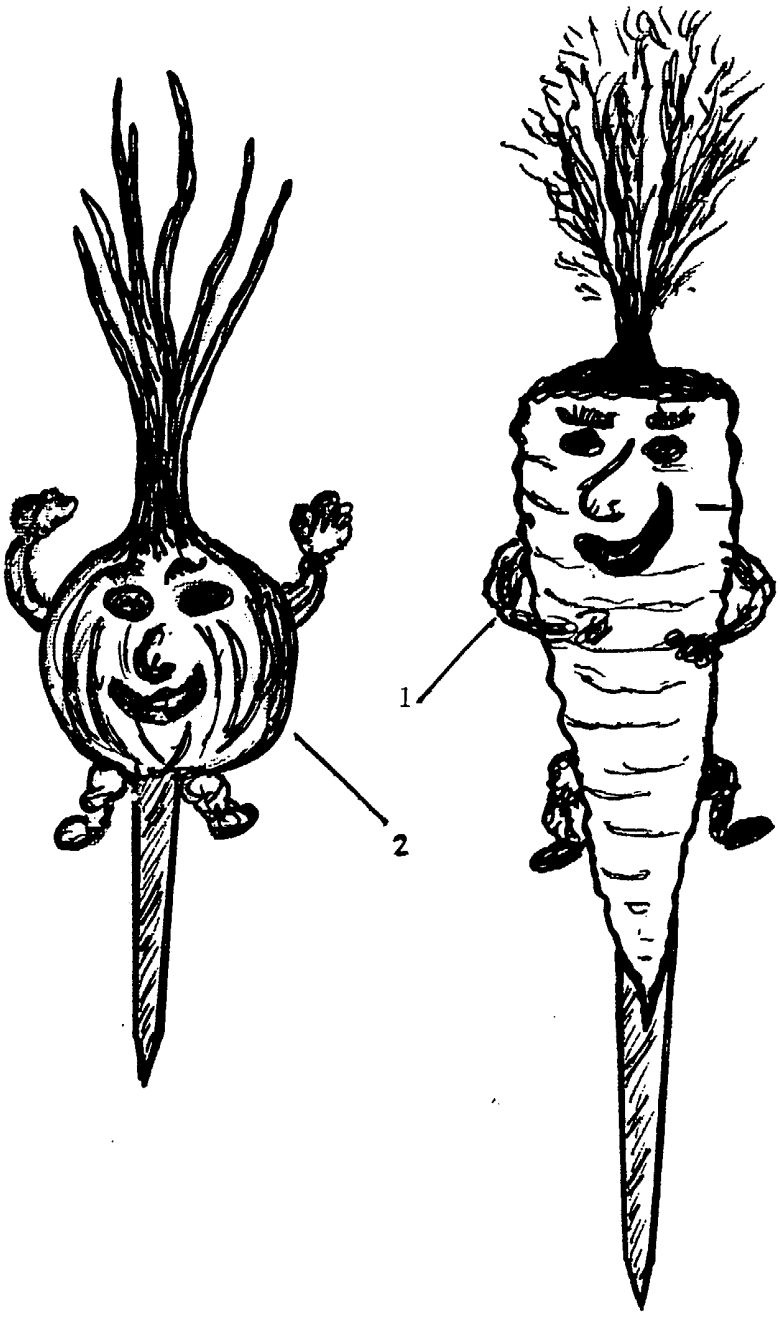
MINI PLOT 19/25

FIG 7.



MINI PLOT 20/25

FIG 8.



MINI PLOT

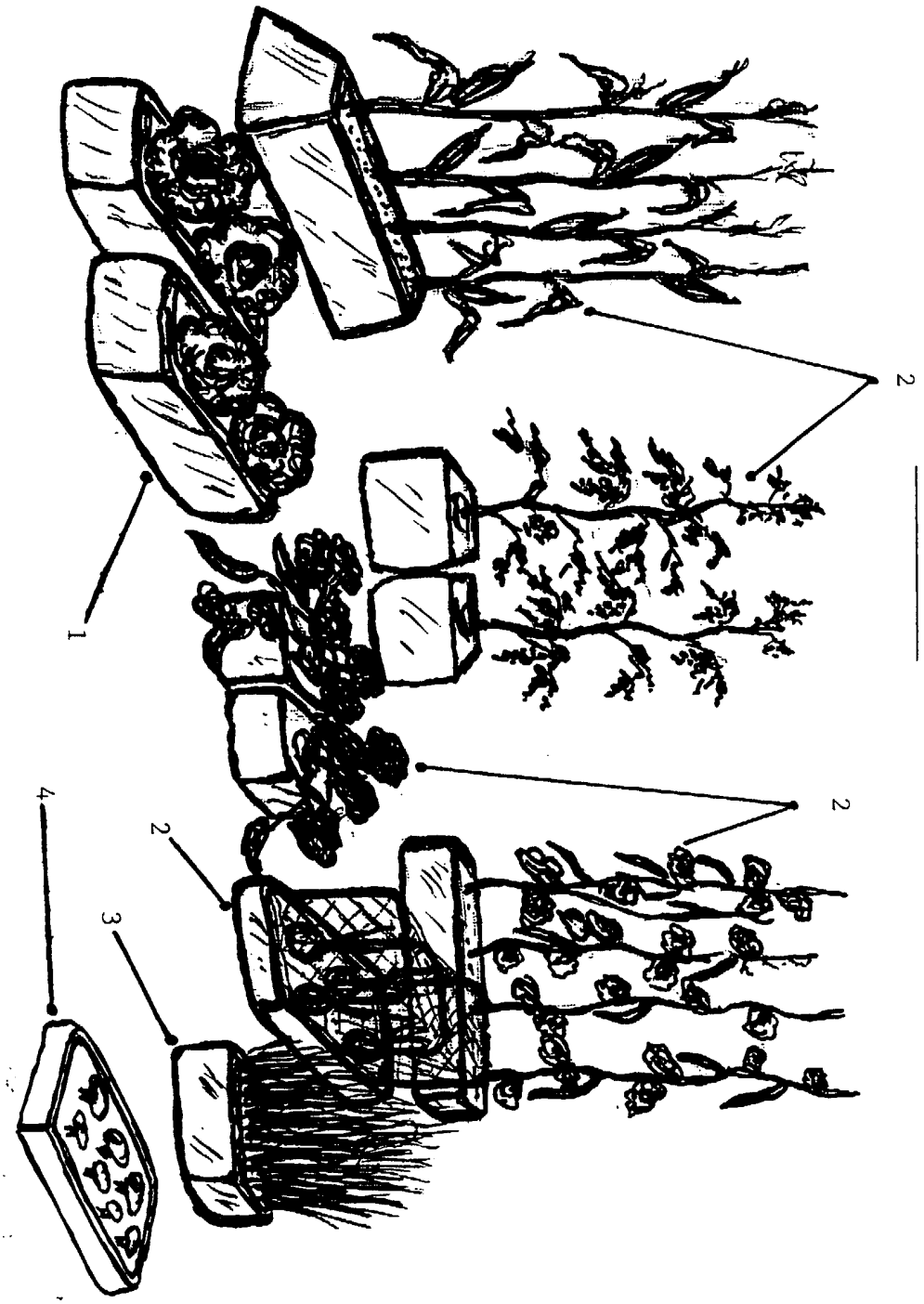


FIG 9.

MINI PLOT

MINI PLOT

FIG 10.

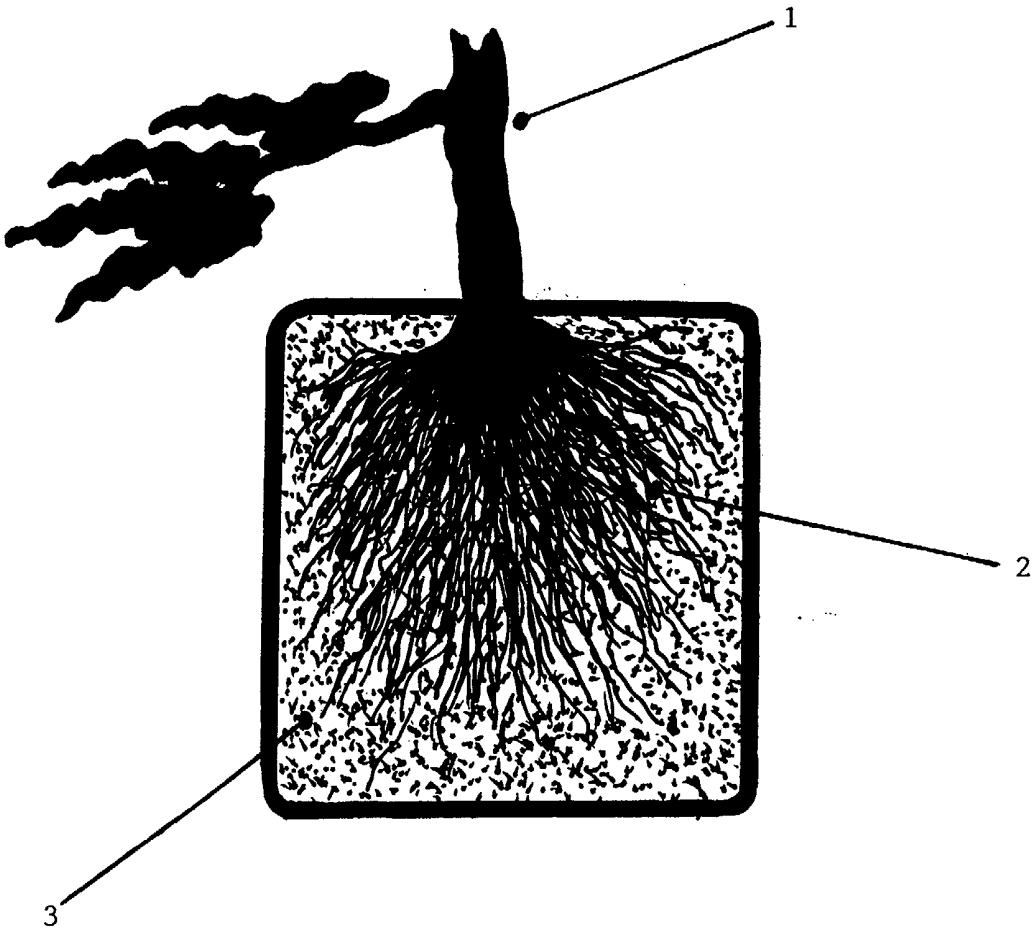
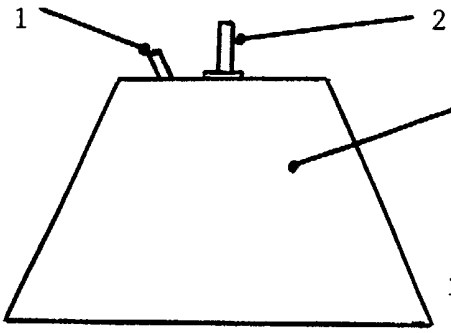
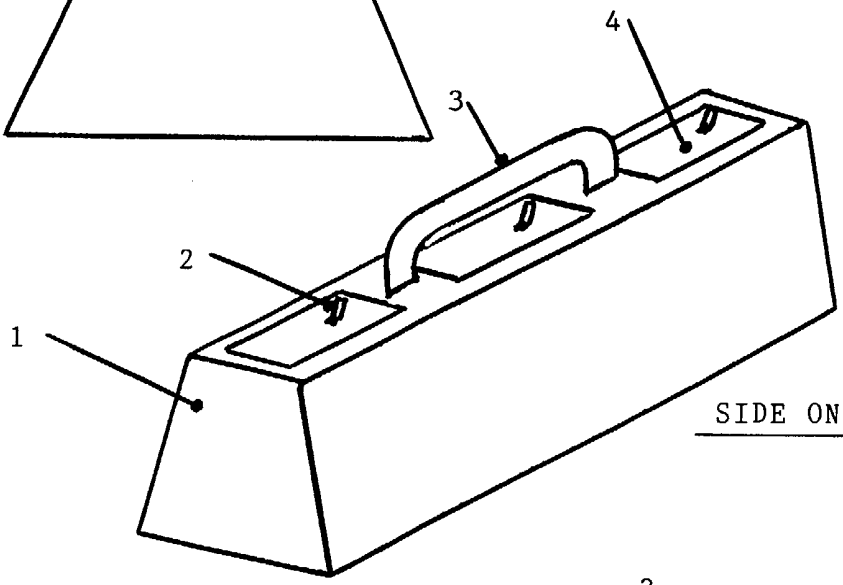


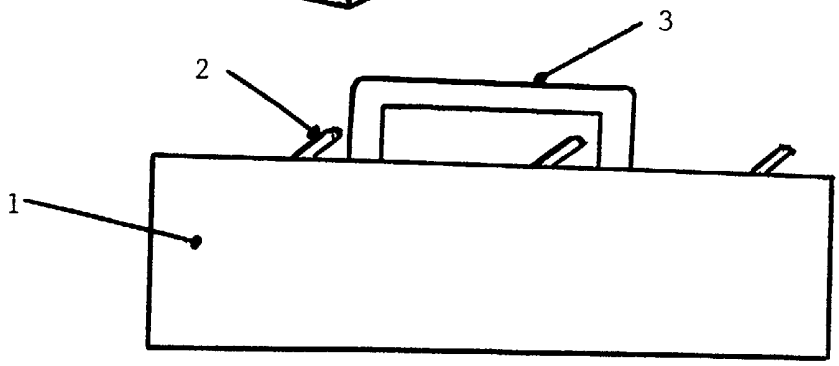
FIG 11.

END VIEW

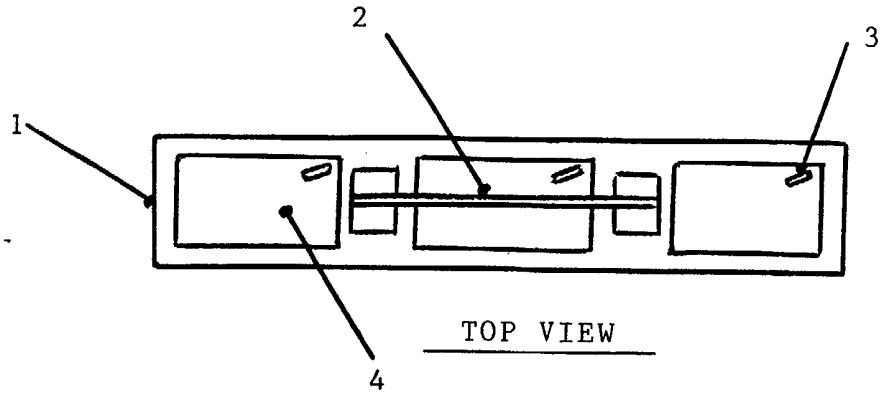




SIDE ON VIEW



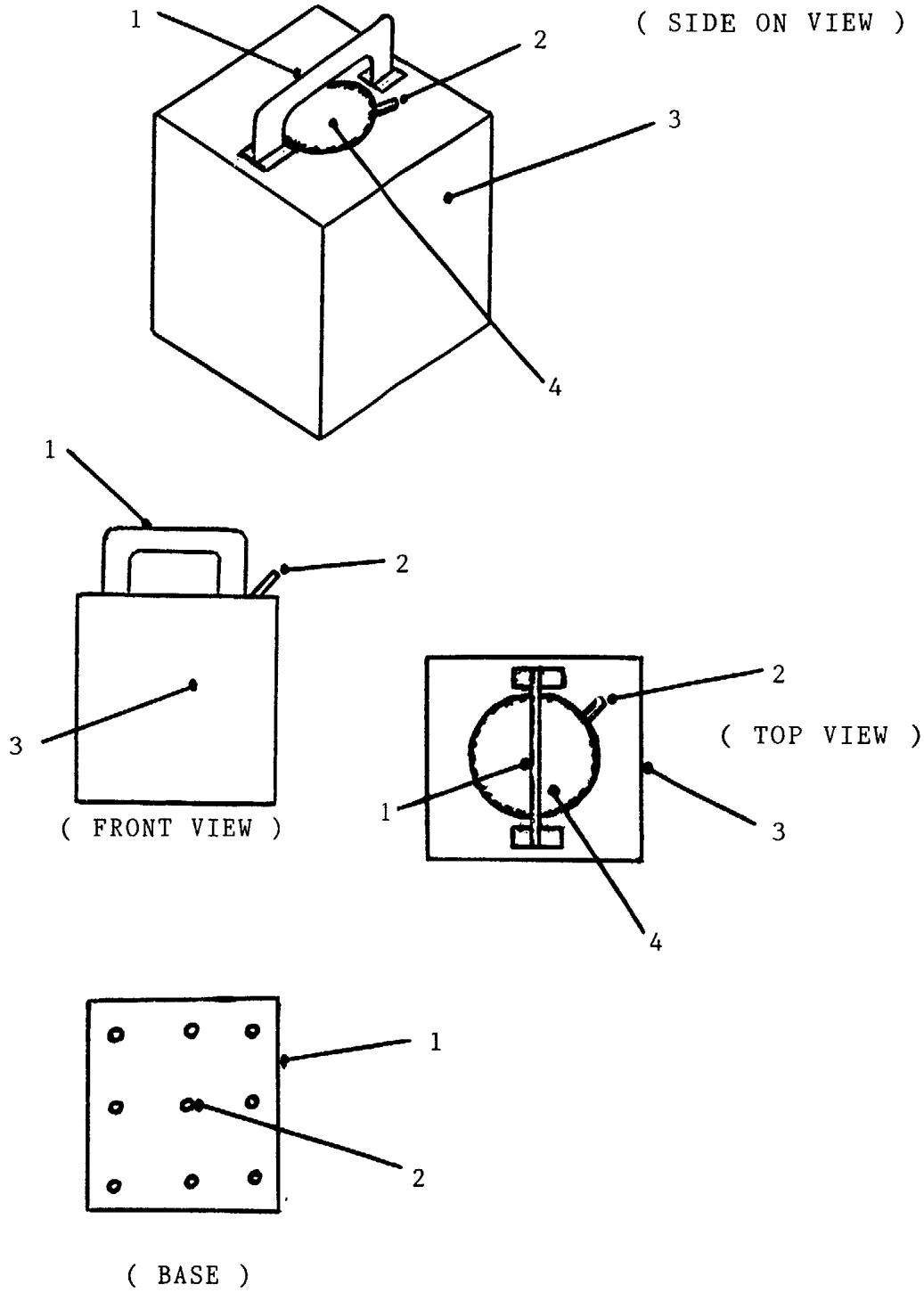
FRONT VIEW



TOP VIEW

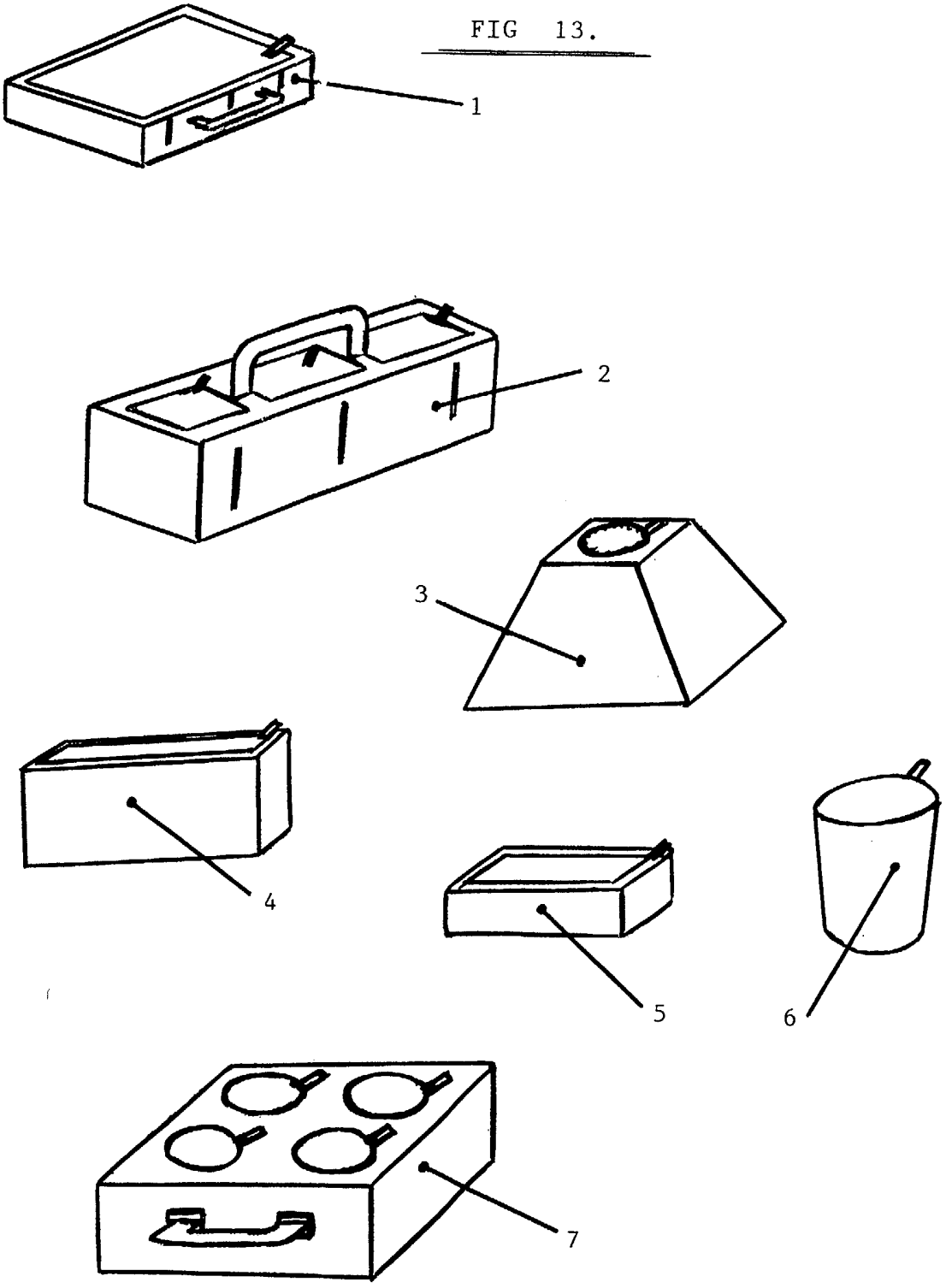
MINI PLOT

FIG 12.



MINI PLOT

FIG 13.



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TITLE.

SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER.

A DETAILED DESCRIPTION OF THIS INVENTION.

TITLE.

SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER.

(FEATURING.)

TITLE.

SIX SIDED CUBE OR BOX SHAPED BAG OR CONTAINER.

(DETAILED DESCRIPTION.)

This invention relates to a six sided cube or box shaped bag.
(As shown in FIG 1.)

The bag or container type which is moulded or formed from a polymer or plastic or other type of material will be completely sealed and will contain a type of compost or growing mixture for the purpose of growing a plant or plants.
(As shown in FIG 6.)
The bag or box type container will have drainage holes marked on the bottom of the bag.
(See FIG 1.)
These drainage holes are to be pierced by the use of a standard pen or pencil.
This will provide the required drainage outlet needed for any excessive water to drain off and out through the drainage holes.
(See FIG 3.)
The bag will have a unique watering system.
This system will give water the chance to penetrate and soak all the way through the compost or growing mixture contained inside the bag.
(See FIG 3.)
The unique watering system will consist of four or more or less polystyrene cubes or blocks.
To aid the unique watering system.

DETAILED DESCRIPTION.

Which in terms of size will measure around one square inch.
Any other size or shape may be decided upon at point of manufacture.
These polystyrene cubes or blocks will come packaged totally seperate to the bag and will have its own individual wrapping.
(As shown in fig 8)
This packet or sachet of polystyrene cubes or blocks could be packed either inside the bag or stuck or taped to the outside of the bag in some way. (Or other method not mentioned.)
If it is decided upon to pack the packet or sachet of polystyrene cubes or blocks inside the bag itself, the packet or sachet will be positioned just underneath the access to planting areas seal.
Which when the seal is broken and then opened up the packet or sachet of polystyrene cubes or blocks will be revealed.
(As shown in fig 4.)
These cubes or blocks of polystyrene are to be used for the unique watering system.
Indicating marks will be clearly printed on top of the bag around the access to planting areas opening.
Depicting where to position these polystyrene cubes or blocks.

DETAILED DESCRIPTION.

These indicating marks will clearly show where to position each of these cubes or blocks of polystyrene which are supplied either inside the bag or on the outside of the bag itself.
These cubes or blocks of polystyrene are to be positioned between the underside of the bag and the compost or growing mixture.
This will create a natural gap or void between the underside of the bag and the compost or growing mixture.
(See example of gap or void in FIG 7.)
When the plant or plants chosen have been planted in the spot marked ,(access to planting) areas compost or growing mixture contained inside the bag, and when the bag or box type container has been positioned in its chosen spot for growing ie, in the garden or in the greenhouse ect.
Only then should watering the plant or plants which have now been planted take place, as you don't have to move the bag or box type container which you are to grow your chosen plant or plants in.

DETAILED DESCRIPTION

(NOTE), Because of the unique idea of using polystyrene cubes or blocks to create a natural gap or void between the underside of the bag and the compost or growing mixture .
This, now allows the water to penetrate right between the polystyrene cubes or blocks and so reach right in to the corners of the bag.
As you continue to fill up the top section of the bag with water, until the water reaches just below the rim of the bag's (ACCESS TO PLANTING) area's opening.
Then wait until the water starts to soak through the compost or growing mixture.
If reqired repeat the watering process.
(NOTE), The water will penetrate and soak right through the bags compost or growing mixture, any exccessive water will drain down through the bags compost or growing mixture and out through the drainage holes which have been pierced by using a standard pen or pencil.
(SEE FIG 1).
Because the bag itself is unique in its design, and features the unique watering system, featuring the use of polystyrene cubes or blocks and features excellent bag depth required for excellent plant growth and the building of a good strong root system.

DETAILED DESCRIPTION.

Also due to the depth of the bag, the retention of water held within the bag will be very high.
The pierced holes in the bottom of the bag will provide the bag with excellent drainage.
Because the actual size of the bag will be quite small carrying and transporting the bag will be very easy.

The bag will have a carrying handle which will make it easy to pick up and carry, and so purchase the product. Also, the people who staff the cash till registers will find it by far easier to put this product through their cash till registers.
Even loading the product from a push trolley and in to the back of a car or vehicle ect, will be far easier than many other bag types produced in todays retail market.

TECHNICAL

This invention relates to a six sided cube or box shaped bag formed from a polymer or plastic or other type material which is to contain a compost or growing mixture suited for the purpose of growing a plant or plant's .
If for some reason, the plastic or other type of material is not cost effective or not viable for a manufacturer to produce , the cube or box shaped bag may have to be altered in some slight way, but keeping the actual idea and intentions for its functional purpose the same.
(ie,) - To grow a plant or plants from within a bag made from either - plastic or some other type material.
The actual bag size chosen will be agreed upon at point of manufacture, only when all costings have been taken in to consideration.

BACKGROUND.

The bag will be completely sealed and will contain a compost or growing mixture inside the bag itself.
The bag will have the option of a carrying handle which is either part of the bag , or, a carrying handle type which could be attached to the bag in some way.
All options on which type to use are to be left open to discussion.
The bag will have a good depth of compost or growing mixture, which will help and enable a plant or plant's to develop a good strong healthy root system with excellent root growth.
Because of the bags depth of compost or growing mixture.
This will help retain water within the bag - helping to stop any drying out of the compost or growing mixture.
This could stop a plant or plants getting dry root damage which can occur at any point of growing, if the compost or growing mixture contained inside the bag was allowed to dry out.

BACKGROUND.

(WATERING). There will be about four polystyrene cubes or blocks supplied with the bag at point of purchase.
These polystyrene cubes or blocks will measure about one inch square unless other sizes are more cost effective to manufacture.
The polystyrene cubes or blocks will come separate to the actual bag itself.
The option of putting them in a packet or sachet which is then stuck or taped to the outside of the bag (OR) the packet or sachet to be packed inside the bag itself will be optional.
These polystyrene cubes or blocks when used, are to be pushed just underneath the edge of the opened bags access to planting areas opening.
This will result in raising the top section of the bag around the access to planting areas opening.
This will create a natural gap or void between the underside of the bag and the compost or growing mixture inside the bag.
This will aid the growers watering their plant or plants , as you can fill up the top section of the bag with water right to the underside rim of the open bag.
Which now contains a plant or plants of choice to be grown within the bag itself.
The water should then be allowed to soak down through the compost or growing mixture contained inside the bag itself.
Any excessive water will soak through and drain off naturally out throgh the pierced drainage holes provided in the bottom of the bag.
(SEE FIG 1).
(Note). The drainage holes may be sited anywhere on the actual box type bag or container.

BACKGROUND.

(WATERING EXAMPLE.)

When the plant or plants have been planted, watering your plant or plants will be much easier as you can fill up the top of the bag with water .
Then allow the water to soak right through the bag and drain any excessive water out through the drainage holes in the bottom of the bag.
Repeat watering if required.

(WHAT INVENTION DOES.)

This invention relates to a new idea and way of growing a plant or plants from within a small sized cube or box type container.
Which incorporates the unique idea of using polystyrene cubes or blocks to create a natural gap or void between the underside of the bag and the compost or growing mixture inside the bag or box type container.
Other features are , good depth of compost or growing mixture contained inside the bag or box type container.
This good depth of compost will help deep root penetration and excellent root growth within the compost or growing mixture contained inside the bag or box type container itself.

(WHAT INVENTION DOES.)

OTHER FEATURES ARE.÷

To pick up and carry the bag is easy due to its small size.
This makes purchase of the product and transport very easy.
Also the bags drainage system which is provided by pierced holes in the bottom of the bag will provide adequate drainage for the bag.
The unique fact you can top the bag up with water right to the underside rim around the planting area is unique, made possible by the use of the polystyrene cubes or blocks provided.
These are the design invention features of the bag which makes this bag unique in its functional design.

OBJECTIVES OF THIS INVENTION.

To produce a new concept or way of growing a plant or plants from a new type bag or box type container for this purpose.
The bag or box type container will be made from either a polymer or plastic, or some other type of material.
The bag or box type container will have excellent bag depth to enable a plant or plants produce a strong vigourous root system down through the depth of compost or growing mixture within the bag or box type container itself.
The bag will have a drainage system in the bottom of the bag.
This will provide excellent drainage for the bag or box type container.
The bag or box type container will be small in size and will have a carrying handle making it easy to pick up and transport.
The bag or box type container will have a easy pull tag and peel open seal to gain entry to the growing area.
This bag or box type container design could be applied to accommodate a full range of bag or box type containers suited for the purpose of growing a added range of plants or vegetables.
(Note).
The added range of bag or box type containers could form a type of a (MINI PLOT.)

OBJECTIVES OF THIS INVENTION.

A full range of ready grown starter plants could be made available to choose from which have been chosen for their high standards of quality and excellent growth paterns.
Also a range of seeds and plant feeds could be added to the range .
(OR).
Even plastic canes and ties made from a plastic or polymer or other type material.
Also the choice of growing organic or non organic will be made available at point of purchase.

(IMPORTANT NOTE).

This new concept when put together will form a type of mini allotment, but without any of the back breaking work of ground preparation required,making the growing of plants and vegetables easy.

SHOWING BAG OR BOX TYPE CONTAINER DESIGN.

(1) Access to planting area peel open cover.
(Note) This cover could be any shape or size.

(2) Easy open pull tag.

(3) Bag or box type containers carrying handle, on top or side or bottom of bag or box type container.

(4) Drainage holes in bottom of bag or box type container.

(5) Bag or box type container.

(6) Pen or pencil , use a standard pen or pencil to pierce bag or box type containers drainage holes to provide drainage outlet.

(7) Any excessive water to drain off through bag or box type containers pierced drainage holes.

(Note), Actual bag or box type containers size to be left open to discussion.

FIG 1

(FRONT) VIEW.

(FIG 1 (A)

(1) Easy open pull tag .

(2) Carrying handle.

(3) Bag or box type container.

(SIDE) VIEW.

(FIG 2 (B)

(1) Carrying handle.

(2) Easy open pull tag.

(3) Bag or box type container.

(TOP) VIEW.

(FIG 3 (C)

(1) Carrying handle.

(2) Easy open peel off cover.

(3) Bag or box type container.

(4) Easy open pull tag.

(BASE) VIEW.

(FIG 4 (D)

(1) Base of bag or box type container.

(2) Drainage holes on base of bag or box type container.

FIG 2.
SHOWING BAG DESIGN.

(1) Access area for planting.

(2) Pull tag for easy opening.

(3) Bag.

(4) Carrying handle,note, this could be positioned either on the side or on top of the bag etc.

(5) The packet or sachet of blocks or cubes,are to be positioned just underneath the access to planting areas peel open cover.
(Or positioned elswhere if required?.)

(6) Polystyrene blocks or cubes are to be placed where marked X.

Peel open cover to reveal planting area.

FIG 3

SHOWING HOW POLYSTYRENE CUBES OR BLOCKS CREATE A GAP WHICH HOLDS IN WATER.

(1) Polystyrene cube or block.

(2) Gap.

(3) Bag.

(4) Plants root system.

(5) Drainage holes.

(6) Showing water penetration.

(7) Water level filling top section of bag.

(8) Plant.

FIG 4.
SHOWING BAG DESIGN.

This example shows the bag design and the polystyrene packet or sachet of cubes or blocks sat just underneath the sealed access to planting area. The easy pull tag and drainage holes are also shown. The bag will have a carrying handle either on top or on the side of the bag.

(NOTE).
The packet or sachet of polystyrene cubes or blocks could be packed just underneath the access to planting cover.

(1) Packet or sachet of polystyrene cubes or blocks.

(2) Easy pull tag. (OPENER).

(3) Carrying handle, on top or on side of bag ?.

(4) Bag, or container.

(5) Drainage holes.

(6) Peel open access to planting areas seal or cover.

(NOTE).

Actual bag size to be left open for discussion. Size of cubes or blocks in packet or sachet to be left open to discussion.

FIG 5.
EXAMPLE SHOWING BAG AND
ADDITIONAL BAG TYPES IF REQUIRED.

(1) Bag. Or container.

(2) Carrying handle.

(3) Easy open pull tag system.

(4) Easy peel open access to planting area cover.

(5) Additional bag types if required ?.

(NOTE).

3) Additional bags could form a type of (MINI _PLOT,).

FIG 6.

EXAMPLE SHOWING A PLANT OR PLANTS GROWING IN THE UNIQUE NEW BAG DESIGN.

(NOTE).

The bag design could grow any type of vegetable or plant.
A special range of bags could be made to suit a wide range of plants or vegetables.

(1) Bamboo cane.

(2) Ties.

(3) Compost or growing mixture.

(4) Carrying handle, on top or on side.

(5) Bag or container.

(6)Showing polystyrene cubes or blocks in position.

(7) Plant in position , (growing in bag).

(NOTE).
This shows a example of bag in use growing either a plant or plants.

FIG 7.

WHAT INVENTION DOES.

(1) Plant.

(2) Showing water level.

(3) Plants root system.

(4) Compost or growing mixture.

(5) Bag.

(6) Showing gap ,created by polystyrene cube or block.

(7) Showing polystyrene cube or block in position.

(8) This example shows how the unique watering system works by holding water in the top section of the bag until the water has soaked down through the compost or growing mixture, then drained off through the pierced drainage holes provided.

FIG 8.

OBJECTIVES OF THIS INVENTION.

(1) A example showing a packet or sachet of polystyrene cubes or blocks.

(2) Example showing four polystyrene cubes or blocks inside a packet or sachet.

(3) A example showing a polystyrene cube or block size one inch, by one inch, .

(NOTE) The size of polystyrene cubes or blocks are to be left open for discussion at point of manufacture.

(NOTE) The polystyrene cubes or blocks could be made from any other type material. If polystyrene is not suitable.

TITLE.

MINI PLOT.

TITLE.

MINI PLOT .

A EXTENTION OF PART ONE TITLED ,

SIX SIDED CUBE OR BOX SHAPED BAG .

A DETAILED DESCRIPTION PART TWO OF THIS INVENTION TITLED MINI PLOT.

(PAGES) ONE TO PAGES FIFTEEN.

(PAGES) FIG ONE TO THIRTEEN.

MINI _____PLOT.

MINI PLOT.

A full range of boxes or bags could be added to accommodate the growing of many types of plants or vegetables ie, (A MINI PLOT).

THE MINI PLOT.
These boxes or bags will be made in the same way and out of the same materials as described in part one of (CUBE OR BOX SHAPED BAG OR CONTAINER).

The actual idea of growing a type of (MINI PLOT), is to make available a full range of boxes or bags, types of which are suitable for growing a range of plants or vegetables to form a type of (MINI PLOT), without the back breaking work of digging and preparing a plot of ground as you normally would.
Each range of bags or boxes will have a suitable worked out growing mixture contained inside the box or bag itself.
This mixture will be suited for growing each type of plant or vegetables to be grown in each box or bag type.

The full range of bags or boxes will benefit from the easy carrying handle and the unique watering system provided by the polystyrene,CUBES or BLOCKS.

(SEE EXAMPLE OF MINI__PLOT DRAWING), on FIG 9.

(EXAMPLES).

Note, a full range of boxes or bags could be made to suit each type of plant or plants to be grown ie, vegetables and so on etc.

(Example 1 of FIG 1 shows a example of bags or box types suited for growing a range of vegetables note a wide range of these bag or box type containers may be required.

OTHER EXAMPLES ARE.

(Example 2 of FIG 1 shows types suited for the growing of HERBS.

(Example 3 of FIG 1 shows types suited for the growing of MUSHROOMS.

(Example 4 of FIG 1 shows types suited for the growing of SALADS.

(Example 5 of FIG 1 shows types suited for the growing of a STIR FRY RANGE.

(NOTE), Bags or boxes can be made any shape or size.

(Example 6 of FIG 1 shows a plastic cloche cover and frame wire, which holds the cover in place.

OTHER EXAMPLES OF BAG OR BOX DESIGN.

(Example 1 of FIG 2 shows example of a seed tray type , featuring a bird protection cover or a plastic cloche cover type.

(Example 2 of FIG 2 shows example of framework to support bird protection net,or plastic cloche cover.

NOTE, Any size mesh may be used for the bird protection cover.

(Example 4 & 6 of FIG 2 shows a example of how framework rods can be pushed in to a type of plastic fitting, (shown as 5 of FIG 2 to form a type of supporting framework for the purpose of holding either a type of bird protection net cover or a plastic cloche cover as shown in (1 of FIG 2).
This framework will push in to the slots provided on the sides of the bag or box type container . (NOTE). The rods etc which make up the framework itself, could be made from either a plastic or some other type material.

(Example 7 of FIG 2 shows a easy open pull tag, to provide easy opening of product.

(Example 8 of FIG 2 shows slots on the sides of the bag or box type containers in to which the framework will fit.

(Example 1 of FIG 3 Shows a box or bag type container featuring a shown example of a bird protection net, this bird protection net could use a large net sized hole type,or a small sized hole type as shown in Example 2 of FIG 3).

(Example 3 of FIG 3 Shows a plastic cloche cover. (NOTE) Bird protection net or plastic cloche cover will be made available at point of sale.

(Example 4 of FIG 3 Shows a bag or box type container featuring a easy open pull tag.

(Example 5 of FIG 3 Shows a conector and a rod which when pushed together will form a framework to hold either the protective bird net or cloche cover in position when fitted.

(Example 6 of FIG 3 Shows a polystyrene cube or polystyrene block ,this polystyrene cube or block will be used to aid a unique watering system featured in the design of this product.
There may be any number of polystyrene cubes or blocks used due to the size and type of box or bag type container.

(Example 1 of FIG 4 shows a bag or box type container featuring a easy carrying handle, and a easy open pull tag.

(Example 2 of FIG 4 shows drainage holes on base of bag or box type container.

(Example 3 of FIG 4 shows packet or sachet of rods and conectors to form a framework which holds plastic cloche cover or protective bird net cover in place.

(Example 4 of FIG 4 shows a packet or sachet of polystyrene cubes or blocks to aid unique watering system.

(Example 5 of FIG 4 shows a bird net protection cover, and a example of a plastic cloche cover.

(Example 6 of FIG 4 shows holder on side of bag or box type container where framework rods will slot in to.

(NOTE), Rods could be made of any material type.

(Example 7 of FIG 4 shows a bird protection net cover or plastic cloche cover packaged up inside a plastic bag.

(Example 1 of FIG 5 shows design of bag or box type container featuring either a BIRD PROTECTION COVER, or a CLOCHE COVER, fitted in place).

(Example 2 of FIG 5 shows how supporting rods could come in one piece or two pieces which are held together by a conector in the middle of each seperate rod) . (See example shown).

(Example 3 of FIG 5 shows rods when conected together). (See example shown).

(Example 4 of FIG 5 shows another shape of framework when fixed together). (See example shown).

(NOTE), Many types of framework could be made.

(Example 5 of FIG 5 shows bag or box type container featuring side holders for net supports.

(Example 1 of FIG 6 shows in plan form how a box or bag type container could be made.
This box or bag type container, could be made from either a plastic or a polymer or other type material such as cardboard which could be covered in a type of plastic or a polymer of some kind, covered on each of the sides of the container.
This would make the box or bag type able to handle a wet mixture or damp mixture contained inside the bag or box type container itself.
(NOTE), This technique could be used for all other bag or box type containers.
The bags or box type containers could be of any shape and size.

(Example 2 of FIG 6 shows how a bag or box type container is folded to form a box or bag type of container.

(Example 3 of FIG 6 shows a bag or box type container when constructed.

(Example 1 & 2 of FIG 7) . Shows gimmick tags, these gimmick tags could be made from either a type of plastic or some kind of polymer , or other type material.
(SEE EXAMPLE SHOWN).

(NOTE). The purpose of these tags are, to be pushed in to the compost or growing mixture of each bag or box type container, so to show the grower exactly what it is they are growing .

(NOTE). These gimmick tags may be styled on each type of plant or vegetable the grower is growing, and may include having funny faces moulded in to the type of plant or vegetable gimmick tag itself.

(SEE EXAMPLES SHOWN).

(Example 3 of FIG 7 , Shows a gimmick tag featuring a funny face.). See example shown.

(Example 4 of FIG 7 , Shows a type of a display stand , for displaying gimmick tags).
See example shown.

(Example 1 & 2 of FIG 8 Shows gimmick tags, these gimmick tag markers could feature funny faces on the front of the tag as shown in drawing.

(NOTE). These tag markers are to be used for the purpose of marking each bag or box type contianer used in a MINI PLOT .

These tags will make identification of each plant or vegetable growing very easy.

(Example 1 of FIG 9 shows a example of a MINI PLOT set out and growing.

For example a typical MINI PLOT could have a selection of vegetables as listed below.

(EXAMPLE).

(1) Salad section.

(2) Vegetable section and fruit section.

(3) Herbs section.

(4) Mushroom section.

(And so on?).

A EXAMPLE SHOWING EXCELLENT ROOT GROWTH.

The unique design of the cube or box shaped bag or container features excellent bag depth of compost or growing mixture, which allows a deep strong healthy root system to grow and develop.

(See example shown in FIG 10).

(1) Plant.

(2) Example shows the development of a healthy root system .

(3) Compost or growing mixture.

EXAMPLE SHOWING A DIFFERENT SHAPE OF BAG OR BOX TYPE CONTAINER DESIGN.

(See example shown in FIG 11.).

(END VIEW)

(1) Easy open pull tag.

(2) Carrying handle.

(3) Bag or box type container.

(SIDE ON VIEW)

(1) Bag or box type container.

(2) Easy open pull tag.

(3) Carrying handle.

(4) Peel off access to planting cover.

(FRONT VIEW)

(1) Bag or box type container.

(2) Easy open pull tag.

(3) Carrying handle.

(See example shown in FIG 11.)

EXAMPLE SHOWING A DIFFERENT SHAPE OF BAG OR BOX TYPE CONTAINER.

(TOP VIEW)

(1) Bag or box type container.

(2) Carrying handle.

(3) Easy open pull tag.

(4) Peel off access to planting cover.

EXAMPLE SHOWING A CONTAINER SHAPE.

(See FIG 12)

(SIDE ON VIEW)

(1) Carrying handle.

(2) Easy open pull tag.

(3) Bag or box type container.

(4) Access to planting area cover.

(FRONT VIEW)

(1) Carrying handle.

(2) Easy open pull tag.

(3) Bag or box type container.

(TOP VIEW)

(1) Carrying handle.

(2) Easy open pull tag.

(3) Bag or box type container.

(4) Peel off access to planting area cover.

(BASE)

(1) Bag or box type container.

(2) Drainage holes.

EXAMPLE SHOWING OTHER TYPES OF SIX SIDED CUBE OR BOX SHAPED BAG EXAMPLES WHICH COULD BE MADE IF REQUIRED.

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(1) Example shows a seed tray type, featuring a carrying handle, a easy open pull tag, peel off access to planting cover , drainage holes, and or, location points for either a protective bird net cover , or cloche cover.

(2) Example shows a container type suited for growing vegetables etc, and featuring same as example one.

(3) Example shows a pyramid type, featuring same as example one.

(4) Example shows , other shape type featuring same as in example one.

(5)_____(6)_____(7) EXAMPLES Showing other styles or types all featuring same as in figure one.

(Note), Many different types may be required to form a (MINI___PLOT___RANGE).

CLAIMS

The broadest claim and features are :

A new concept in growing vegetables or plants.

A portable container incorporating a base and sides, a top and a carrying handle/s. A unique watering system and a set of drainage holes for water to drain through. A pull tag fixed to a easy open access to planting area cover. The actual container incorporating a type of compost or growing mixture which is specially suited for the purpose of growing either a plant or plants or a vegetable or vegetables from the compost or growing mixture which is contained within the actual container itself. The actual shape and size or sizes of this new type of container are to be left open,as each type of plant or plants or each type of vegetable or vegetables have sometimes very different growing paterns and requirements. ie some types require different growing depths and sizes of container so to meet the differing growing requirements of each type of plant or plants or vegetable or vegetables a person or persons wish to grow.
Due to their differing requirements of depths and widths of compost or growing mixture needed to meet the growing needs of many different types of either plants or vegetables , and so offering a wide range of choice of what to grow , to the grower or gardener.
The container could contain inside a plastic bag which holds and contains the actual compost or growing mixture. The plastic bag which is full of compost or growing mixture been sealed inside the actual container itself. This new container could be made or formed from either a polymer or plastic or cardboard or other type material or materials not mentioned.
The actual idea and intentions of this new design type of container are,;;;;; to enable a person or persons who wish to grow either a single or a range of plants or vegetables , to do so without the back,breaking work of having to dig and prepare a plot of land well in advance of any planting.
This new type of container will offer immediate planting and a wide range and choice of specially sized containers which have been specially worked out and are suited to cover a massive range of selected plants and vegetables all of which are suitable for growing from within these types of containers.
Growing a range of your own plants or vegetables in this way would be very easy , and would provide the grower with fresh cut or fresh picked or dug vegetables, with a choice of growing organic or none organic and so promoting good healthy eating.

CLAIMS

The container itself could have small holders or access tubes or pockets sited on the outside or the inside of the actual container itself.
So to accomodate a location and holding point for the purpose of holding a frame or framework which could hold a bird net or a plastic cloche cover or other types of cover not mentioned.
a person or persons ie, the grower could grow a full range of vegetables or plants from many different types of this container.
and so to form a type of a (MINI__PLOT).
The advantage of a (MINI__PLOT), been only a minimal amount of work and preparation would be required to grow your choice of plants or vegetables.
The actual container itself could be made or formed from either a plastic or type of polymer or other materials, or from waste re,cycled material types.
(Note). The container itself could be re,cyclable.

(See example of container type provided on FIG 1).
(Note). Only one example is shown as there could be many different types of containers which would form a full range of bag types in a (MINI__PLOT).
Or a (MINI__PLOT RANGE).

CLAIMS

1 A bag or like plant container.

2 A bag or like plant container containing a growing medium.

3 A bag or like plant container having a carrying handle or handles.

4 A bag or like plant container and or drainage holes.

5 A bag or like plant container and or the use of polystyrene or other type material blocks, piece or pieces used to aid watering.

6 A bag or like plant container wherein said cut outs are any shape.

7 A bag or like plant container as stated in above claims constructed from either a polymer type or other suitable material.

8 A bag or like plant container as in claims above to be made any shape or size to suit its functional purpose to grow a plant or plants.

9 A bag or like plant container as in above claims featuring if required a easy open access to planting cover and pull tag.

10 A bag or like plant container as stated above will be made suitable for any type of plant or seed and may feature a type of protective bird net cover or cloche cover for plant or seed protection.

Application No: GB 0227032.0
Claims searched: 1 - 10

Examiner: Philip Roe
Date of search: 14 April 2003

Patents Act 1977 : Search Report under Section 17

Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance	
X	1 - 4, 6 - 9	EP 1082894 A	(LE COMPTOIR ROUSSILLONNAIS) see WPI Abstract Accession No. 2001/171257-18
X	1 - 4, 6 - 9	US 6016628	(SCHLÖSSER) see Whole Document, especially column 2 lines 4 - 8, & 9 - 15
X	1 - 4, 6 - 9	JP 2020224 A	(KAAMA KK) see Abstract and all figures especially figure 2.
X	1 - 4, 6 - 8	WO 90/01255	(LINCOLN) see Whole Document, especially page 3 lines 17-21 and figs 1 & 2
X	1 - 4, 6 - 8	US 4209945	(CAPABILITY BROWN LIMITED) see Whole Document, especially column 3 lines 54-58 and figs 4 & 6
X	1 - 4, 6 - 8	AU 605436/94 A	(ZUCHETTI *et al*) see Whole Document
X	1 - 4, 6 - 8	FR 2402404	(FRIEDRICH) see WPI Abstract Accession No.1979/C7088B-13 and all figures.
X	1 - 2, 4 - 8	GB 2104763 A	(MANLY) see whole document
A	-	GB2361165 A	(JENKINS) see whole document especially page 10 line 24 - page 11 line 5, and figs 4 & 15
A	-	US 2798335 A	(DOWNEY) see whole document
A	-	FR 2532149 A	(WUESTER) see WPI Abstract Accession No. 1984/057455-10 and all figures
A	-	GB 2341530 A	(GEARY) see whole document
A	-	GB 2326577 A	(AFTERPRINT LTD) see whole document
A	-	US 2137855 A	(OTWELL) see whole document

INVESTOR IN PEOPLE

Application No: GB 0227032.0 **Examiner:** Philip Roe
Claims searched: 1 - 10 **Date of search:** 14 April 2003

Categories:

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.

Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKC[V]:

A1E

Worldwide search of patent documents classified in the following areas of the IPC[7] :

A01G

The following online and other databases have been used in the preparation of this search report :

EPODOC, WPI, JAPIO