

FILED
11/9/2011
THOMAS G. BRUTON
CLERK, U.S. DISTRICT COURT

**IN THE UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF ILLINOIS
EASTERN DIVISION**

WILSON SPORTING GOODS CO.)	
)	
Plaintiff,)	Civil Action No. 1:11-cv-02524
)	
v.)	Judge: Joan B. Gottschall
)	Magistrate Judge:
)	Michael T. Mason
PRINCE SPORTS, INC.)	
)	(Demand for Jury Trial)
Defendant.)	
)	

THIRD AMENDED COMPLAINT FOR PATENT INFRINGEMENT

NOW COMES Plaintiff Wilson Sporting Goods Co. (“Wilson”), by and through its counsel, and for its Complaint against Prince Sports, Inc. (“Prince”), avers as follows:

1. Wilson is a Delaware corporation with its business offices at 8750 W. Bryn Mawr Ave., Chicago, Illinois.
2. Upon information and belief, Defendant Prince is a Delaware corporation with its principal place of business at One Advantage Court, Bordentown, New Jersey 08505. Prince has appointed Corporation Service Company, 2711 Centerville Road, Suite 400, Wilmington, Delaware 19808, as its service agent. Prince does business in, *inter alia*, the State of Illinois and the County of Cook.
3. This action arises under the Patent Laws of the United States, 35 U.S.C. §§ 271 and 281.
4. Jurisdiction over this action is founded upon 28 U.S.C. §§ 1331, 1332 and 1338.

5. Venue is proper under 28 U.S.C. §§ 1391 (a) and (b) and 28 U.S.C. § 1400(b). Defendant has sold infringing products in this District and routinely conducts business within this District.

6. On October 6, 1998, United States Patent No. 5,816,956 (hereinafter “the ‘956 Patent”), was duly and legally issued for a net support structure. A true and correct copy of the ‘956 Patent is attached hereto as Exhibit 1. Wilson is the exclusive licensee of said patent and has the right to bring actions for infringement of the patent and to recover damages therefor.

FIRST CLAIM

7. Wilson hereby incorporates all of the averments contained in paragraphs 1 through 6 hereof as though fully set forth herein.

8. Prince has itself, or through its agents, infringed the ‘956 Patent literally and/or under the doctrine of equivalents, by making, using, offering to sell and selling within the United States and/or by importing into the United States net support structures which embody and fall within the scope of the ‘956 Patent, and will continue to do so unless enjoined by this Court.

9. On information and belief, Prince has actual notice of the ‘956 Patent through the patent marking on Wilson’s sale of net support structures that incorporate the patented technology, and Prince’s infringement is willful and deliberate.

WHEREFORE, Plaintiff Wilson Sporting Goods Co. prays for:

- A. A preliminary and permanent injunction against Prince’ continued infringement of United States Patent No. 5,816,956;
- B. An award of damages for Prince’s infringement;
- C. An order trebling the amount of damages;

D. An award of Wilsons's costs, prejudgment interest, and attorney's fees and such other and further relief as this Court deems just and appropriate.

Dated: November 6, 2011

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Attorney for Plaintiff
Wilson Sporting Goods Co.

JURY DEMAND

Plaintiff hereby demands a trial by the maximum number of jurors permitted by law.

/S/ Jeffery A. Key
Jeffery A. Key, Esq. (#6269206)

Attorney for Plaintiff
Wilson Sporting Goods Co.



US005816956A

United States Patent [19]

[11] **Patent Number:** **5,816,956**

Ellis et al.

[45] **Date of Patent:** **Oct. 6, 1998**

[54] **NET SUPPORT STRUCTURE** 4,010,951 3/1977 Gronlund 273/29 B
 4,274,632 6/1981 Jacobs 273/29 BC
 [75] Inventors: **John Ellis**, Lower Templestowe;
Christopher Harms, Paddington, both
 of Australia 5,018,746 5/1991 Cardoza 273/411
 5,176,344 1/1993 Eberhard 273/29 BB

FOREIGN PATENT DOCUMENTS

[73] Assignee: **XSPORT Development Pty. Ltd.**, New
 South Wales, Australia

2 485 379 12/1981 France .

[21] Appl. No.: **185,958**

Primary Examiner—Theatrice Brown
Attorney, Agent, or Firm—Hill & Simpson

[22] PCT Filed: **Feb. 28, 1992**

[86] PCT No.: **PCT/AU92/00087**

[57] **ABSTRACT**

§ 371 Date: **Jun. 3, 1994**

§ 102(e) Date: **Jun. 3, 1994**

[87] PCT Pub. No.: **WO93/01866**

PCT Pub. Date: **Feb. 4, 1993**

[30] **Foreign Application Priority Data**

Jul. 19, 1991 [AU] Australia PK7320

[51] **Int. Cl.⁶** **A63B 69/00**

[52] **U.S. Cl.** **473/4.9; 473/492**

[58] **Field of Search** 273/29 B, 29 BB,
 273/29 BC, 411; 473/490, 492

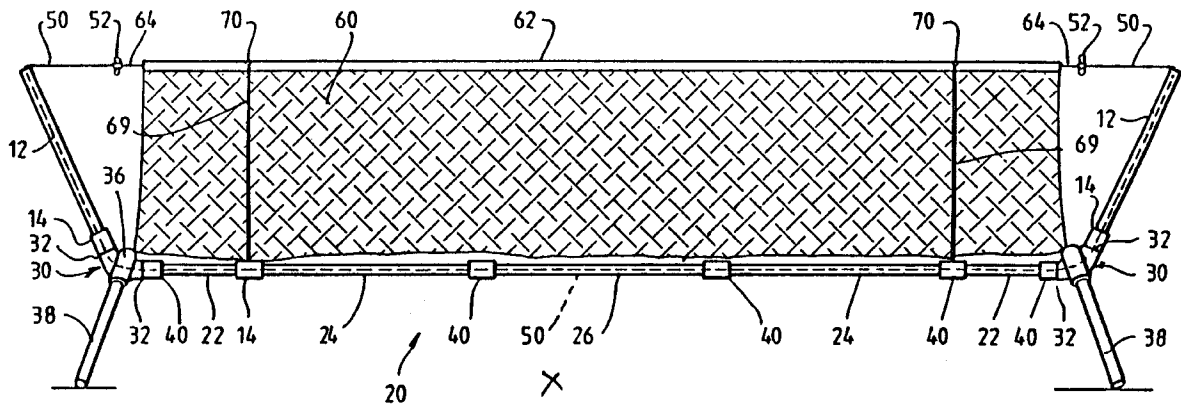
A net support structure is disclosed which provides for easy assembly and disassembly at any location for enabling games such as tennis and volleyball to be played as well as providing a rebound net or safety net for use in other sporting games or for the practice of sporting games. The net support structure includes a plurality of modules (12, 22, 24 and 26) which are joined together by an elastic cord (50) or springs (100) and which when connected together tension the modules to form a net support structure and which can be collapsed by disconnecting the modules and allowing the modules to be folded whilst at the same time keeping the modules joined by the tensioning means. Elbows (30) are provided which form corners and which are permanently or releasably joined by the cord (50). If releasably joined the elbows (30) can be repositioned to alter the configuration of the net support structure.

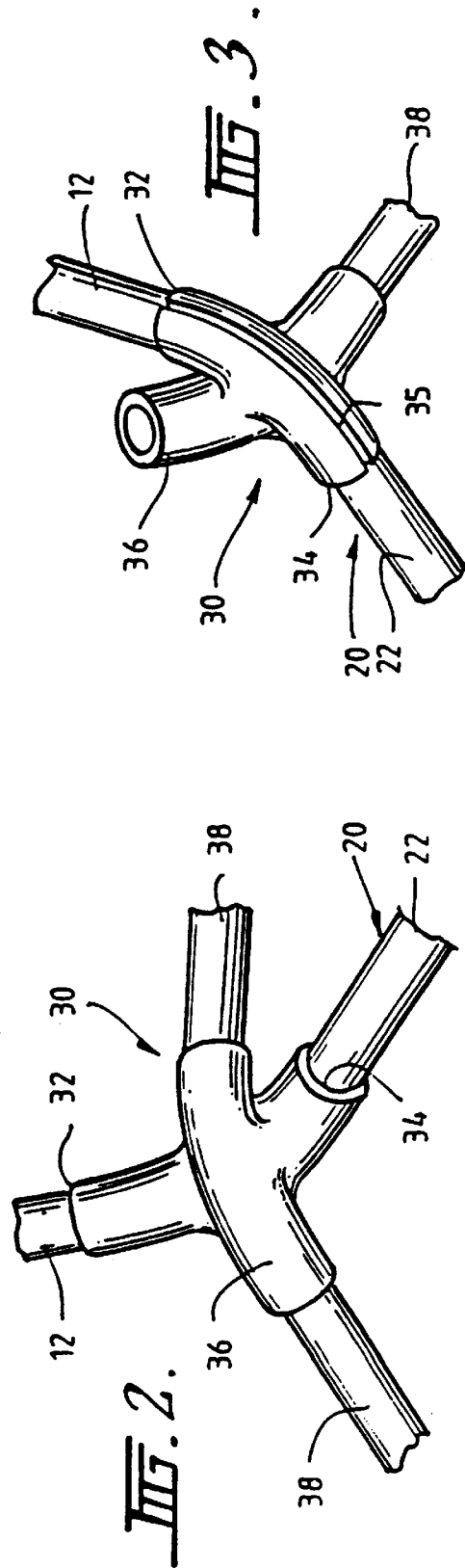
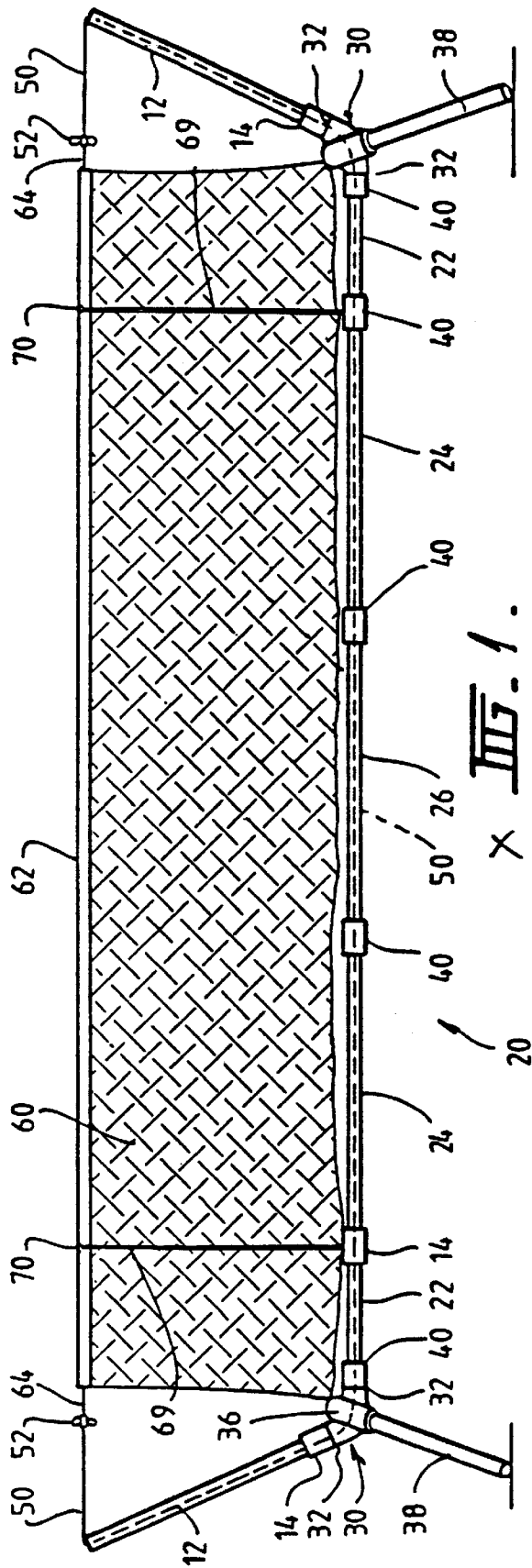
[56] **References Cited**

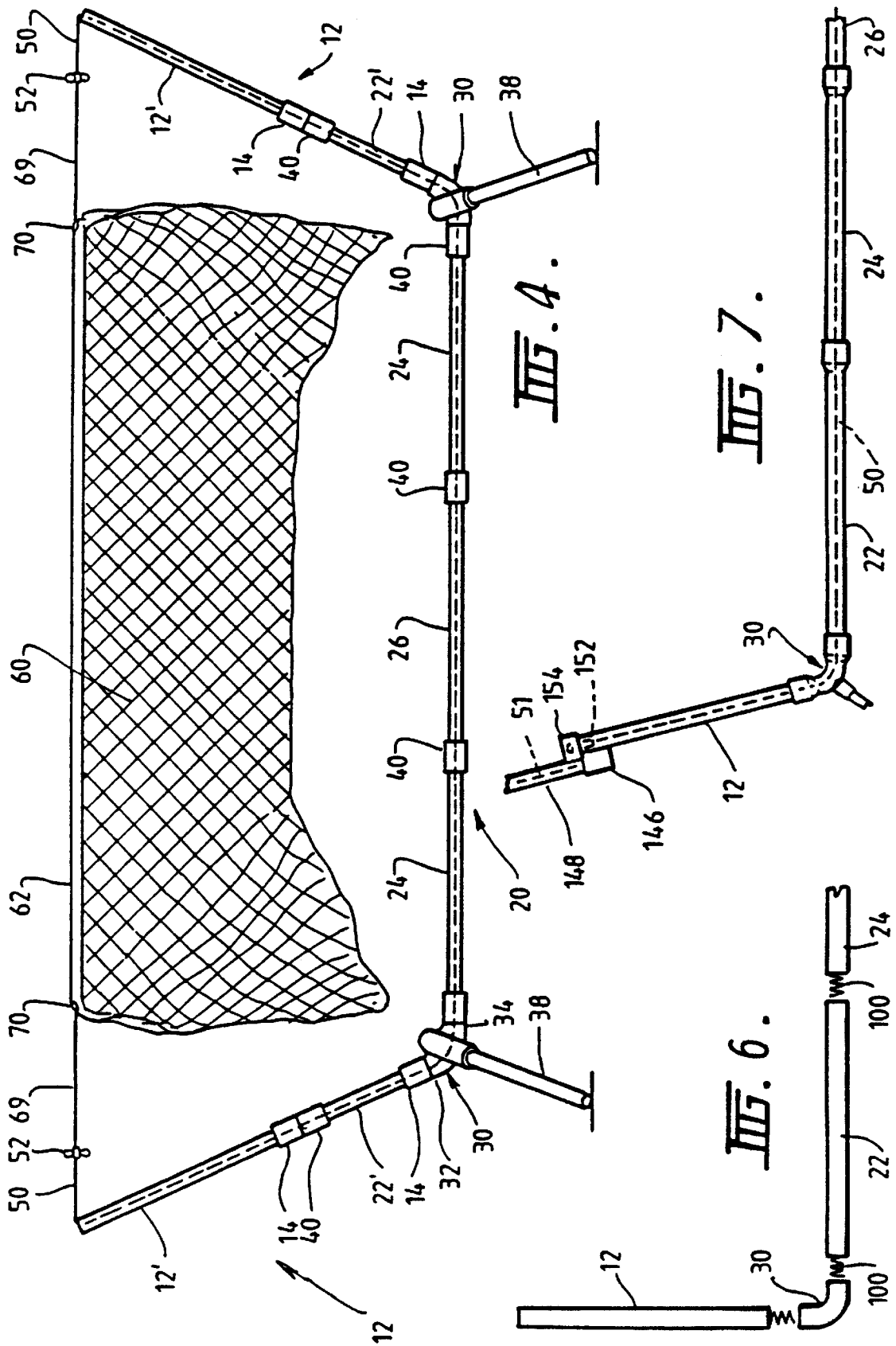
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10 Claims, 4 Drawing Sheets







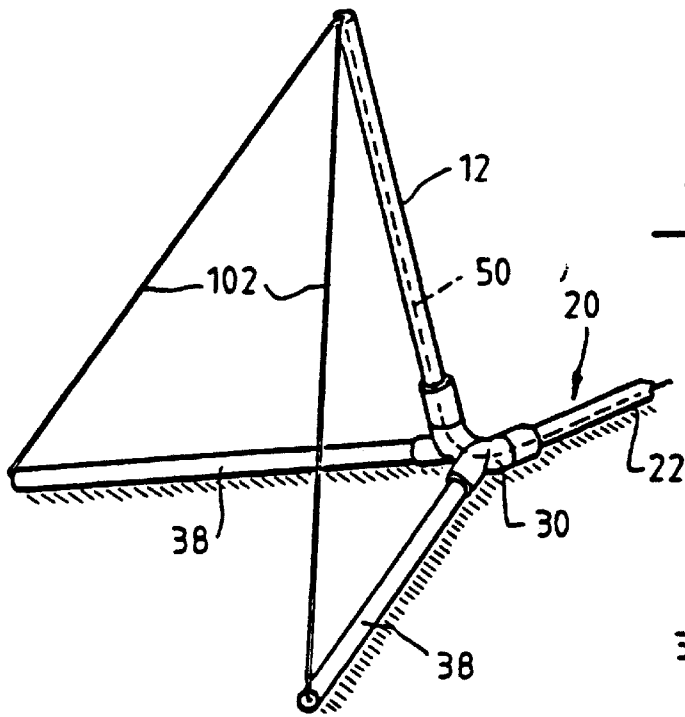


FIG. 5.

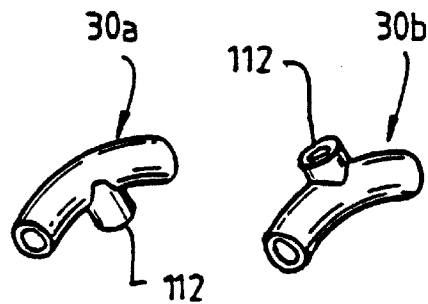


FIG. 9.

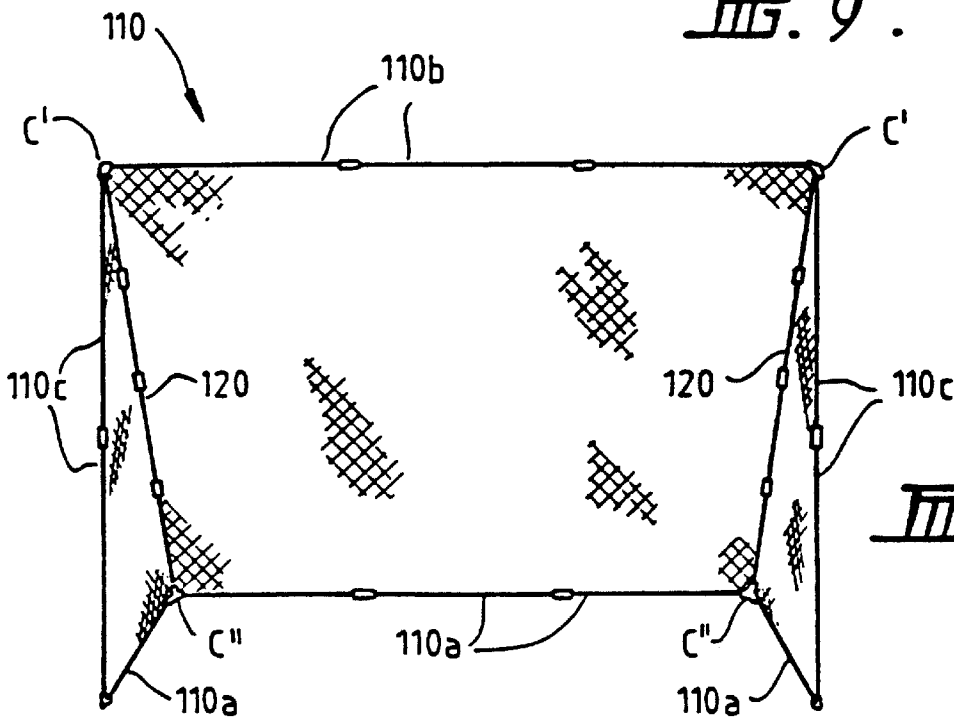
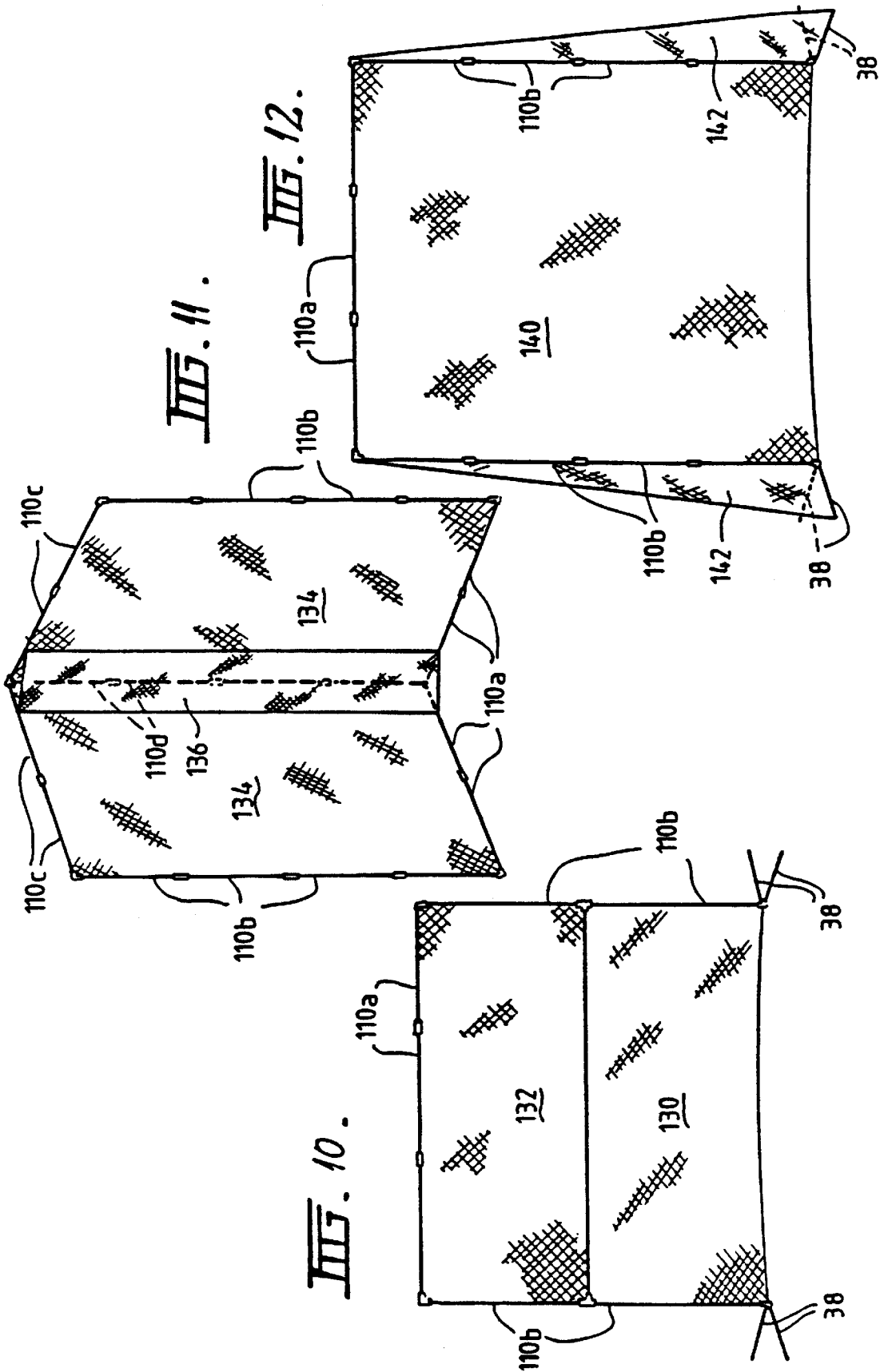


FIG. 8.



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NET SUPPORT STRUCTURE

This invention relates to a net support structure and in particular to a net support structure for supporting a tennis net, volleyball net a practice or protection net and the like. 5

Conventional net support for tennis nets, volleyball nets or the like generally comprise posts which are either permanently fixed to the ground or located in sockets in the ground. Both of the conventional structures require the net to be located in a predetermined position by virtue of the fixed sockets into which the posts are inserted and do not allow the net to be easily set up in other environments for use on any suitable playing surface. 10

The object of this invention is to provide a net support structure which is easily transportable and which can be set up on any suitable playing area. 15

The invention may be said to reside in a net support structure comprising;

- a pair of upright frame members,
- a cross frame member,
- at least two joining members for joining the pair of upright members to the cross member, and 20

- a tensioning means for joining the upright members and cross member, so that when the uprights and cross frame members are connected by the joining members the upright members and cross member are tensioned to form an erected net support structure and when disconnected from one another whilst remaining joined by the tensioning means to allow the net support structure to be collapsed and stored. 25

Since the net support comprises upright members and the cross member which are joined by a joining member they can be easily disconnected for transportation and storage and can be set up anywhere and will be self supporting by virtue of the tension applied by the tension means and also with the tension means. Thus, the net can be set up on any suitable playing area without the need of fixed posts or sockets in the ground for receiving posts. 30

Preferably the upright members and cross member comprises tubular members.

Preferably the joining members comprises a joining elbow having first and second sockets for receiving ends of the upright members and the cross member. 40

Preferably the joining members includes an additional pair of sockets cojoined in a plane transverse to a plane containing the first and second sockets, for receiving leg members for stably supporting the net support structure on the ground. 45

Preferably the tensioning means comprises a cord.

Preferably the cord is supported by the tubular members by passing through the tubular members. 50

In other embodiments the tensioning means could comprise springs interconnecting the upright members and the base member.

Preferably the pair of uprights include a sleeve thereon which is movable relative to the uprights. 55

Preferably the cross member comprises a plurality of tubular members having fixed sleeves at an end which will form the outer extremity of each when the support structure is assembled so that a plurality of tubular members can be connected together by inserting a free end of one tubular member into the sleeve of another tubular member. 60

The invention also provides a net support structure comprising;

- a plurality of elongate frame modules;
- connecting means on said frame modules for allowing the frame modules to be connected end to end to form a net support structure of a desired configuration; and 65

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tensioning means supported by the modules for tensioning the modules when the modules are connected together to form an erected net support structure and which join the modules when disconnected from one another so that the modules can be collapsed and stored whilst nevertheless being joined by the tensioning means.

A preferred embodiment of the invention will be described by way of example, with reference to the accompanying drawings in which:

FIG. 1 is a view of a net support structure embodying the invention;

FIG. 2 is a detailed view of a joining member used in the embodiment of FIG. 1;

FIG. 3 is a view of the joining member of FIG. 2 from the opposite side;

FIG. 4 is a view of a net support structure according to another embodiment of the invention;

FIG. 5 is a view of a further embodiment;

FIG. 6 is a view of a further embodiment;

FIG. 7 is a view of a further embodiment; and

FIGS. 8 and 12 are diagrams showing various net support structure configurations which can be formed according to embodiments of the invention.

With reference to FIG. 1 the net support structure comprises a pair of uprights 12 which are formed from tubular aluminium. The uprights 12 are provided with sleeves 14 which are movable on the uprights 12 but which are generally retained on the uprights 12. A cross member, which in this embodiment is a base frame member 20, is provided to join the upright members 12 and the base frame member 20 is formed from a plurality of modules 22, 24 and 26. The modules 22, 24 and 26 are also tubular aluminium members. 25

The uprights 12 are joined to the base member 20 formed from the modules 22, 24 and 26 by joining members 30 which are generally in the form of elbows and which have a pair of sockets 32 and 34. The elbows 30 are also provided with an additional pair of sockets 36 which support leg members 38 for stably supporting the net structure on the ground. 30

The elbows 30 are best seen in FIGS. 2 and 3.

The tubular module 26 is provided with sleeves 40 which are permanently fixed to the ends of the module 26. The modules 22 and 24 have a fixed sleeve 40 at the end of the modules which are intended to be the outermost ends of those modules when the modules are connected together. The modules 22 are provided with a movable sleeve 14 similar to the sleeves 14 on uprights 12 and which are movable relative to the modules 22. 35

The base member 20 is formed by simply sliding the free ends of the tubular modules 24 into the sleeves 40 on module 26. The free ends of the modules 22 are then inserted into sleeves 40 of the modules 24 with the movable sleeves 14 on the modules 22 being moved out of the way to an intermediate position on modules 22 as shown. The sleeves 14 on the modules 22 play no part in this configuration. The sleeves 40 on the modules 22 now slot into sockets 34 on the elbows 30. 40

An elasticized cord 50 is provided which extends through uprights 12 and the modules which make up base member 20 and is provided with toggles 52 to prevent the ends of the elasticized cord from entering the uprights 12. The toggles 52 may also be used to secure net 60 so that net 60 is suspended between the uprights 12. 45

Preferably the elasticized cord 50 is passed through the uprights 12 and the members 20 and the toggles 52 are joined in place so that the uprights 12 and modules forming the member 20 are joined together. This generally ties the 50

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uprights **12** and modules **22**, **24** and **26** together even when the net structure is not erected. When the net structure is not erected the modules are just disconnected from another and from the elbows **30** by slipping the modules **22**, **24** and **26** from the respective sleeves and from the elbows so that they can be folded into side by side relationship with the elasticized cord still passing through them and therefore joining them together even in the collapsed state.

As is best shown in FIG. **3** the elbow **30** is provided with a slot **35** which extends along the entire length of the elbow from the end of sockets **32** to the end of socket **34**. The slot **35** enables the elasticized cord **50** to enter the elbow **30** when the uprights **12** and frame members **22** are joined with the elbows **30** so that the elasticized cord is accommodated in the elbow **30**.

The slot **35** in the elbows **30** enables the elbows to be inserted onto the cord so that the uprights **12** and frame member **22** can easily inserted into the sockets **32** and **34** with the cord extending through the uprights **12** and the sockets **22** and can enable the elbow **30** to be disassembled from the cord when desired to pack up and store or transport the net support structure.

The additional sockets **36** generally form an obtuse angle with the horizontal so that the leg members **38** are splayed outwardly to support the frame member **20** and elbows **30** on or above the ground with the uprights extending upwardly preferably at an angle as shown in FIG. **1** so that the net **60** can be easily suspended between them. The cord **50** is elasticized so that when the net **60** is suspended by the cord **50** it applies tension to the upright **12** and the frame member **20** to tension the structure.

The net **60** is provided with a heading tape **62** through which cord line **64** passer which can be tied onto the toggles **52** to join the net **60** to the elasticized cords **50**.

The heading tape **62** is provided with eyelets **70** to which are tied tie cords **69**. The tie cords **69** can be used to pull the net **60** downwards to reduce its height and the tie cords **69** can be tied to base member **20** to hold the net in this position.

FIG. **4** shows a second embodiment where the net support structure is intended to support the net **60** at a higher level for playing volleyball, badminton or the like. In this embodiment the uprights **12** are formed by upright members identical to those used in the embodiment of FIG. **1** and which are referenced **12'** in FIG. **4** and secondary uprights **22'** which are identical to the modular members **22** used in the horizontal frame member **20** in FIG. **1**. Thus, the elbows **30** are simply located between the modules **24** and modules **22** instead of between the uprights **12** and modules **22**. In this embodiment the movable sleeve **14** on the upright member **12** is simply slid up along the upright **12** to expose the end of the upright **12'** so that the end of the upright **12'** can be inserted into the fixed sleeve **40** on the end of the frame member **22'**. The movable sleeve **14** on the frame member **22'** simply falls under the influence of gravity to be retained by socket **32** of elbow **30**.

The movable sleeve **14** which is on the uprights **12'** simply falls under the influence of gravity and rests on the sleeve **40** which is attached to the upright **22'** and in which the end of the tubular upright frame member **12'** is received.

The base frame member **20** is formed from the modular members **24** and **26** which are described with reference to FIG. **1**. Thus, the distance between the uprights **12** is reduced compared to that in FIG. **1** but the height of the net is raised so that the net is now suitable for volleyball.

To secure the net the tie cords **69** tied to the eyelets **70** in the heading tape **62** are tied onto the toggles **52** to secure the net and shorten the length of the net. The parts of the net beyond eyelets **70** simply fall free.

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Although the uprights **12** and frame member **20** are shown straight in the drawings they tend to bow slightly when the net **60** is suspended because of tension applied by the cord **50**.

In alternative embodiments instead of connecting the uprights **12** and modules **22**, **24** and **26** together by sleeves **40** the modules **22**, **24**, **26** and the uprights **12** could be joined by making adjacent modules and uprights of slightly different diameter tubular material so that the end of one module is telescopically received into the end of the adjacent module. The larger diameter module could be provided with rivets, depressions or the like to act as an abutment to limit the amount of insertion of the smaller diameter module.

In another embodiment the uprights **12** and modules **22**, **24** and **26** could be of the same diameter and ends could be swayed to provide an enlarged diameter portion or a small diameter portion for telescopically joining the modules.

In a further embodiment instead of utilizing the toggle **52** to prevent the cord **50** from being drawn out of the uprights **12** and modules **22**, **24** and **26** the cord **50** could be joined to the upper end of the uprights **12** by means of an insert (which will be described with reference to FIG. **7**) which is received and retained in the end of the uprights **12** and which has a hole through which the cord **50** passes and is tied off. An end cap (to be described with reference to FIG. **7**) could be located over the uprights **12** to cover the insert. In this embodiment instead of using the toggle **52** to secure the net, the net could be provided with a hook or clasp for securing it to the uprights **12** or a fixture connected to the uprights or the net could be provided with a sleeve which is merely slipped over the uprights **12** in order to locate the net in place.

In the embodiments described above, the elbows **30** are provided with the slots **35** so that the elbows can be completely removed from the elasticated cord and can be repositioned between any of the uprights **12**, and modules **22**, **24** and **26**. In an alternative embodiment the slot **35** in the elbows **30** could be omitted so that the elasticated cord **50** passes through the elbows **30** and the elbows **30** are located only in one position and remain in that position. In this embodiment the net structure would be a fixed structure and a number of configurations would not normally be available. Thus, the net would be a permanent tennis net with the elbows **30** fixed between the uprights **12** and modules **22**, or a volleyball net with the elbows **30** fixed between the modules **22'** (FIG. **4**) and the modules **24**. However, even with the elbows **30** not provided with slots **35** and permanently fixed on the elasticated cord **50** in a single position it is still possible in some instances to alter the configuration of the net structure to allow different games to be played. For example, in the case of the volleyball net shown in FIG. **4**, even in the elbow **30** is fixed in place it would be possible to disconnect the uprights **12'** from the modules **22'** and fold the uprights **12'** downwardly so that they are arranged adjacent to the modules **22'**. The uprights **12'** could be fixed to the modules **22'** by velcro (trade mark) fastener strips or the like and the net could therefore extend between the top of the modules **22'** to provide a lower net for playing tennis or the like.

FIG. **5** shows an embodiment which is similar to that of FIGS. **1** and **4** expect that additional support members **102** are provided between upright **12** and the ends of legs **38**. The additional supports **102** could be tubular members, elasticated cords or the like. In this embodiment of the invention the legs **38** are coplanar with the base member **20** so that the base member **20**, the elbow **30** and the legs **38** sit flat on the ground. The additional support members **102** securely tie the

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upright 12 to the legs 38 to provided added strength and reinforcement for the net. If the additional supports members 102 are elasticated cords eyes or the like could be provided on the legs 38 and the uprights 12 for receiving the ends of the cords. If the supports are in the form of tubular members then sockets or elbows could be provided on the legs 38 and the upright 12 in order to receive the ends of the additional supports 102.

With reference to FIG. 6 a different method of joining the modules 22, 24, 26, elbow 30 and upright 12 is shown. In this embodiment of the invention instead of using the elasticated cord 50 springs are connected between the modules 22, 24 and 26, the elbow 30 and the uprights 12. The modules 22, 24, elbow 30 and upright 12 are shown separated for the ease of illustration. In order to erect the net the springs 100 simply pull the ends of the modules 22, 24, elbow 30 and upright 12 together so that they abut the adjacent module, elbow or upright as the case may be, to securely hold the modules, elbow and upright together. The springs 100 therefore tension the modules 22, 24, elbow 30 and upright 12 in the same manner as the cord in the earlier embodiments. In order to collapse the system the modules 22, 24, elbow 30 and upright 12 are simply pulled apart to stretch the springs 100 as shown in FIG. 6 and the modules are folded into a position adjacent one another as in the earlier embodiment for storage.

In the embodiment described with reference to FIGS. 1, 4 and 5, the legs 38 are not joined by the cord 50 or any other members to the remaining components of the net support structure. It would be possible in those embodiments to join the legs 38 by means of springs (not shown) to the elbows 30 so that they are always joined to the structure and can be connected by simply allowing the springs to pull the legs 38 into the desired supporting position and collapse by stretching the spring and allowing the leg 38 to be folded into the collapsed position beside the base member 20 or upright 12. In yet a further embodiment instead of using springs to join the legs 38 to the elbows 30 separate elasticated cords (not shown) could be used to perform this function.

FIG. 7 shows yet a further embodiment of the invention in which the upright 12 includes a socket 146 for receiving additional upright member 148. Elasticated cord 50 is connected to insert 152 located in the uprights 12 by passing the elasticated cord through a hole (not shown) in the insert 152 and tying the cord off behind the insert 152. An end cap 154 can be located over the upright 12 to cover the insert 152 and the tied off cord 50. Elasticated cord 50 joins the upright 12, elbow 30, modules 22, 24 etc. in the same manner as in the earlier embodiments and tensions them when the modules and uprights are connected together. A net such as a tennis can be coupled to the upright 12 by a hook or other fastener (not shown) which engages an eye or other fastener (not shown) on the upright 12. If it is desired to extend the height of the net to play volleyball or the like the upright 148 is located in the sleeve 146 to support the net. Depending upon the height which is desired for the net and the size of the uprights 148 a number of uprights 148 could be utilized. Preferably those uprights are joined by an elasticated cord 51 which is secured to the lower end of the bottom upright 148 and passes through all of the uprights 148 and is connected to the top of the upper upright 148 for joining the uprights 148 and tensioning them when in the erected state.

The embodiment of FIG. 7 also shows a method of connecting the upright 12, elbow 30 and modules 22, 24 etc. by providing enlarged diameter swaged ends on the elbows 30, modules 22, 24 etc.

FIGS. 8 to 12 show some additional configurations which can be produced according to preferred embodiments

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of this invention. In each of the configurations shown in FIGS. 8 to 12 the modules 110 are the same as the modules 22, 24, 26 and upright 12 previously described and they can be joined and tensioned by means of an elasticated cord similar to the cord 50 or by means of the springs 100 between the modules 110. The modules 110 are joined by any one of the methods previously described (i.e. by sleeves 40, small and large diameter modules, modules having small and large diameter ends etc.). Elbows (not shown in FIGS. 7, 9, 10 and 11) are provided at all right angled corners. Depending on the nature of the net support structure the elbows can be provided with additional sockets for legs supports or the additional sockets can be omitted if additional legs are not required.

FIG. 8 shows a net support structure for supporting a soccer net. The structure includes base modules 110a and upper modules 110b (which comprise cross members) and upright modules 110c. In the preferred embodiment of the invention the elbows at the corners (not shown) could be provided with slots similar to the slots 35 so that the elbows can be removed and relocated between any of the modules 110 to change the dimensions and shape of the net. The configuration shown in FIG. 8 is best suited for soccer or water polo but if the configuration is turned on its side it could be used as a barrier net for other ball games or, indeed, the configuration of the net could be completely altered by merely relocating the elbows between any of the desired modules to form right angled corners where desired in order to provide a net support structure of any desired shape.

The embodiment shown in FIG. 8 can also be used to form a cage by the use of two structure of the type shown in FIG. 8 and by turning the structures upside down and locating them side by side so that they effectively form a cage or race in which cricket, baseball or the like can be practised.

FIG. 9 shows preferred elbows 30a and 30b which may be incorporated if it is desired to use additional modules 120 to provide additional support for the net structure. Elbows 30a would be arranged at the corners C' and elbows 30b would be arranged at the corners C". The elbows 30a and 30b are each provided with sockets 112 so that a tubular module 120 can be inserted into the sockets 112 to join the elbows and provide additional reinforcement for the net structure. Once again in the preferred embodiment the additional support modules 120 could be completely removed from the net structure or could be joined to the elbows 30a and 30b by springs or elasticated cords to join those modules to the other modules forming the net support structure.

FIG. 10 shows a rebound net formed from modules 110a which form an upper cross member and modules 100b which form uprights. This module can be used to act as a rebound net for practising ball games such as golf, tennis and the like. In this embodiment the net can be formed from two parts 130 and 132. The net 130 can be a generally loose net similar to a tennis net so that when a ball hits the net it drops without rebounding. The net 132 could be a taut net to act as a rebound net so that if the ball hits that net it rebounds into play. In this manner a player can practise tennis by hitting the ball towards the net with a view to hitting the rebound net 132 to obtain a rebound and to continue striking the ball to practise tennis strokes. If the ball hits the lower net 130 it drops dead in a normal fashion that occurs when a ball hits a conventional tennis net. This structure is supported on legs 38 which are connected to elbows similar to those FIGS. 2 and 3.

In the embodiment of FIG. 10 the upright modules 110b can be joined by a pivot hinge so that the upper two modules

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110b can be folded down adjacent to the lower modules **100b** so that the rebound net **132** is moved out of the way so that the net support structure can be used as a normal tennis net.

FIG. **11** shows a golf practice net which is generally of L-shape configuration formed of base modules **110a**, uprights **112** and upper members **110c**, mid-support members **110d** are also provided. The net support structure supports a main net **134** and a mid-support protection net **136** for preventing a golf ball from striking the modules **110b** and rebounding towards the player.

FIG. **12** shows a net which can be used to divided a cricket pitch so that cricket can be practised with bowlers operating from the ends of the pitch at the same time. In this embodiment cross members **110a** are provided and uprights **110b**. The uprights **110b** are supported by leg members **38**. A net **140** is suspended by the net support structure and side nets **142** are arranged between the leg members **38** and the upright members **110b** to provide additional protection.

Nets of the type shown in FIGS. **10**, **11** and **12** can be used as backstops, for other ball games such as baseball, softball and the like.

The nets which are connected to the net support structure shown in FIGS. **8** to **12** can be joined to the modules which form the net support structure by hooks, ties or any suitable fasteners such as velcro (trade mark) fasteners. Alternatively, an elasticated cord could be threaded through the net and wrapped around the modules which make up the net support structure in order to secure the net in place. When the net support structures are collapsed the net can be removed from the structure or can be left attached to the structure and simply folded up with the modules for storage.

Since modifications within the spirit and scope of the invention may readily be effected by persons skilled within the art, it is to be understood that this invention is not limited to the particular embodiments described by way of example hereinabove.

We claim:

1. A net support structure, comprising:

a pair of tubular upright members;

a tubular cross frame member;

at least two joining members for adjacently joining respective ends of the upright members to respective ends of the cross frame member;

a single elastic tensioning cord extending interiorly through the upright members, joining members and cross frame member;

wherein when the tensioning cord is in tension, the upright members, the joining members and the cross frame member are biased by the tensioning cord to be compressed against each other to form an erected net support structure, and when disconnected from one another, the upright members and the cross frame

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member remain joined by the tensioning cord in a slack condition to maintain the upright members and cross frame member together and allow the net support structure to be collapsed and stored; and

wherein the net support structure supports a net over which a ball is to be hit, and the tensioning cord has free ends projecting from the upright members, and further including a net for connection to the free ends of the tensioning cord for placing the tensioning cord in tension and also tensioning the net in the net support structure.

2. The net support structure according to claim **1**, wherein the net support structure supports a net from one of a tennis and a volleyball net.

3. The net support structure according to claim **1**, wherein the joining members include an additional pair of sockets conjoined in a plane transverse to a plane containing the first and second sockets, for receiving leg members for stably supporting the net support structure on the ground.

4. The net support structure according to claim **1**, wherein the upright members and the cross member comprise tubular members.

5. The net support structure according to claim **1**, wherein the joining members comprise a joining elbow having first and second sockets for receiving ends of the upright members and the cross member.

6. The net support structure according to claim **1**, wherein the cross member and upright members are connected together by telescopically engaging respective joining members.

7. The net support structure according to claim **1**, wherein the cross frame member includes a plurality of modules which are connected together in order to form the cross frame member, said tensioning cord joining the modules so that when the modules are connected together they are put into compression by the tension cord.

8. The net support structure according to claim **1**, wherein the joining members are releasably connectable to said tensioning cord so that they can be separated from the tensioning cord and repositioned at a variety of locations to alter the height of the upright frame members and length of the cross frame member to change the height and length of the net support structure.

9. The net support structure according to claim **8**, wherein the joining members comprise elbows and slots are provided in the elbows for receiving the tensioning means in order to releasably join the joining members to the tensioning cord.

10. The net support structure according to claim **1**, wherein the joining members are in a fixed position and are permanently joined by the tensioning cord between the upright frame members and the cross frame member.

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