

637566

AUSTRALIA

Patents Act 1990

21/29/92

PATENT REQUEST: PETTY PATENT

I / We, being the person(s) identified below as the Applicant, request the grant of a patent to the person identified below as the Nominated Person, for an invention described in the accompanying Petty complete specification.

Full application details follow.

[71] Applicant	<i>AS PER EASY LEARNIS SYSTEMS</i>
Address	<i>60 CANNONBROOK STREET BRISBANE QLD 4156</i>
[70] Nominated Person	
Address	
[54] Invention Title	<i>"PORTABLE FILE STANDING ON TWO POSTS"</i>
[72] Name(s) of actual inventor(s)	<i>A S ADAMS</i>
[74] Address for service in Australia	<i>A S Adams Grant Adams & Company G P O Box 1413, Brisbane Attorney Code 2/13 4AC1</i>

ASSOCIATED PROVISIONAL APPLICATION(S) DETAILS	
[60] Application Number(s) and Date(s)	<i>F11112 QW 5/8/91</i>
ADDRESS FOR SERVICE ALTERED	

BASIC CONVENTION APPLICATION(S) DETAILS			
[31] Application Number	[33] Country	Country Code	[32] Date of Application

DIVISIONAL APPLICATION DETAILS	
[62] Original application number	

TICK IF APPLICABLE	
<input type="checkbox"/>	I am an eligible person described in Sections 33 - 36 of the Act.

Drawing number recommended to accompany the abstract *6*

B012280 26/08/92

C. J. Petty
(Signature)

26.8.92
(Date)

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NOTICE OF ENTITLEMENT
(To be filed before acceptance)

I/We, *Geoffrey Harris Smith*,
60 CARRIGAN STREET BURBANK ACTONBON QLD 4156
of

being the applicant in respect of Application No., state the following:-

Part 1 - Must be completed FOR ALL APPLICATIONS.

The person(s) nominated for the grant of the patent:

*is / *are the actual inventor(s)

or

*has entitlement from the actual inventor(s) *"PORTABLE FOLDING STANDING A/Z ANV"*
"PORTABLE FOLDING STANDING A/Z ANV"
(eg by assignment, by mesne assignment, as legal representative of, etc)

*** Part 2 - Must be completed IF THE APPLICATION IS ASSOCIATED with one or more
PROVISIONAL APPLICATIONS.**

The person(s) nominated for the grant of the patent:

*is / *are the applicant(s) of the provisional application(s) listed on the patent request form

or

has entitlement to make a request under Section 113 in relation to the provisional application(s) listed on the patent request form

(eg by assignment, by agreement, etc)

*** Part 3 - Must be completed for ALL CONVENTION APPLICATIONS.**

The person(s) nominated for the grant of the patent:

*is / *are the applicant(s) of the basic application(s) listed on the patent request form

or

*has entitlement from the applicant(s) of the basic application(s) listed on the patent request form

.....

(eg by assignment, by mesne assignment, by consent, etc)

(Continued over)

*The basic application(s) listed on the request form:

*is/*are the first application(s) made in a Convention country in respect of the invention

or

*was/were not the first application(s) made in a Convention country in respect of the invention, and a request has been made under Section 96 of the Patents Act 1990 (or Section 142AA of the Patents Act 1952) to disregard the following application(s)

.....

*** Part 4 - Must be completed FOR PCT APPLICATIONS.**

The person(s) nominated for the grant of the patent:

*is / *are the applicant(s) of the application(s) listed in the declaration under Article 8 of the PCT

or

*has entitlement from the applicant(s) of the application(s) listed in the declaration under Article 8 of the PCT

.....

(eg by assignment, by mesne assignment, by consent of, as legal representative ofetc)

The basic application(s) listed in the declaration made under Article 8 of the PCT

*is / *are the first application(s) made in a Convention country in respect of the invention

or

*was / *were not the first application(s) made in a Convention country in respect of the invention, and a request has been made under Section 96 of the Patents Act 1990 (or Section 142AA of the Patents Act 1952) to disregard the following application(s)

.....

*The provisional application(s) listed in the declaration made under Article 8 of the PCT

*was / *were filed in Australia not more than 12 months before the filing date of this application.

*** Part 5 - Must be completed if the application is a DIVISIONAL APPLICATION.**

The person(s) nominated for the grant of the patent:

*is / *are the applicant(s) / patentee(s) of the original application(s) / patent(s)

or

*has entitlement to make a request under Section 113 of the Act in relation to the original application / patent

.....

(eg by assignment, by agreement, etc)

* Part 6 - Must be completed if the application relates to A MICROORGANISM and relies on SECTION 6 of the Act.

The person(s) nominated for the grant of the patent:

*is / *are the depositor(s) of the deposit(s) as listed hereafter

or

*has entitlement from the depositor(s) of the deposit(s) as listed hereafter

.....
(eg by assignment, by consent, etc)

Deposit List (by number, deposit institution, date)

.....
.....
.....

Part 7 - Must be completed if the applicant for a PATENT OF ADDITION is not the applicant or patentee of the main invention.

I,,
the *applicant / *patentee for *application / *patent No.

authorise,
to apply for a further patent for an improvement in, or modification of, the main invention.

.....
(Signature)

.....
(Date)

Note: This part must be signed by the applicant/patentee of the main invention.

.....
C. H. D. Price, M.A.
(Signature)

26.8.92
(Date)

(If the applicant is a Company or other legal entity, also indicate the name and standing of the authorized signatory.)

Note: This MUST be signed FOR ALL APPLICATIONS

* Omit/Delete if not appropriate



AU9221297

(12) PATENT ABRIDGMENT (11) Document No. AU-B-21297/92
(19) AUSTRALIAN PATENT OFFICE (10) Acceptance No. 637566

(Australian Petty Patent)

(54) Title
PORTABLE FREE STANDING POST FOR NET

(51)⁵ International Patent Classification(s)
A63B 061/02

(21) Application No. : **21297/92** (22) Application Date : **26.08.92**

(43) Publication Date : **27.05.93**

(45) Publication Date of Granted Application : **27.05.93**

(71) Applicant(s)
JEFFREY HARRIS SEYMOUR

(72) Inventor(s)
JEFFREY HARRIS SEYMOUR

(74) Attorney or Agent
GRANT ADAMS & COMPANY , GPO Box 1413, BRISBANE QLD 4001

(56) Prior Art Documents
EP 340027
AU 33754/89 616007
AU 40845/78 529169

(57) A portable free standing net support assembly has a pair of side posts interconnected by a spring headed net assembly under tension. Each side post is supported above the surface by inclined legs to which weights are applied to cause the side posts to act as fulcrums to tension the net assembly.

One or more intermediate posts may be connected to adjacent side posts and/or intermediate posts by tension net assemblies which transfer a downward force to the intermediate post(s).

Claim

1. A portable free standing net support assembly including:

a pair of side posts; and

a spring loaded net assembly interconnected to the side posts, wherein:

each post has a plurality of downwardly inclined legs to support the post above the surface; and weight means are applied to the legs of the side posts;

so arranged that when the weight means are applied, the side posts create respective fulcrums to place the net assembly in tension.

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ORIGINAL
COMPLETE SPECIFICATION
PETTY PATENT

Invention Title: "PORTABLE FRUIT STANDING RUST PROOF POST
ASSEMBLED"

The following statement is a full description of this invention, including the best method of performing it known to me:-

AS ATTACHED

THIS INVENTION relates to a portable free standing net support assembly. The assembly may be used to support the nets used in tennis or modified tennis (eg. "FUNCOURT" (trade mark) or "ACE TENNIS" (trade mark) tennis); badminton; modified volley ball; volley ball; modified net ball; and net ball.

Australian Patent specification AU-B-33754/89 (616007) (J.H.SEYMOUR) discloses a portable net post assembly which has many advantages over previous net assemblies disclosed, inter alia, in au-40845/78 (529169) (B.J.Jacobs).

It is the object of the invention to provide consistent forces throughout the assembly and the nets to balance.

It is a preferred object of the provide such assembly where individual posts attached together in tension provide a individual support assembly.

It is further preferred object to provided an assembly where weights applied to the base of the posts which are incline inward and deflected to the vertical under weight provide a fulcrum to import tension to the net.

It is still further preferred object that the that multiples of the assemble can be attached providing more than one facility.

It is still further a preferred object that extension pieces may be provided, or mounted, on the leges to enable nets to be supported at a range of heights for different sports.

It is still Further preferred that individual posts can be used with or without extension pieces and with or without the net for the use in other sports.

Other preferred objects will become apparent from the following description.

In one embodiment the present invention resides in a portable free standing net support assembly including:

A pair of side posts, each provided with legs, each angled at in such a manner as to raise the centre of the post off the surface. (see drawing page 2)

The posts preferably will have angle inserts attached to the bottom of the posts, to enable the legs to fit to the posts (see drawing exploded view page 2) The bottom of the post must not touch the surface once the legs are attached. The angles must be placed in such a way as to restrict any temporary live loads deflecting the legs and the post touching the surface on which it is standing (temporary live loads means people standing on them) It also allows for the assembly to be installed on any uneven surface without detriment to the integrity of the assembly.

The posts and the legs will be attached by a connecting elasticated cord or any other suitable material passing from one leg through the post to the opposite leg and fixed to each leg by a mechanical means (see drawing page 1)

each leg may be tubular to enable fitment and preferable have a plastic or other protection caps to prevent marking of the surface (see drawing page 1 & 2)

each extreme post of the assembly shall have a weight placed around and upon the post facing to the outside of the assembly, the preferred method being a sock filled with sand or any other suitable material (see drawing number 5).

preferable each post may have fixing points where you can attach the net (see page 3 & exploded detail).

The net is an integral part of the assembly the preferred embodiment shall have an spring attached to the net cable (see drawing page 6 & detail B) with hooks attached to the spring and the eye in the other end of the cable for fixing purposes (see drawing page 6 & detail B & A elastic ties shall be placed at each corner of the net through eyelet and have a hook attached for fixing purposes (see drawing page 6 details A,B,C,D,) when the net is attached to the posts and a weight is placed upon the base of the one of the posts and the assembly is stretched between the two posts and the second weights is placed upon the second post which has been slightly incline to create a fulcrum the assembly is place in tension when the weight is applied and the second post is now in the vertical ensuring that the net between the two posts are taut (see drawing page 5).

preferable the net shall have a spring attached to the net with elastic ties to ensure any sudden side load applied to the assembly will be absorbed without disturbing the assembly.

one or more extensions may be provided on, or mounted on, the posts to enable the net to be set at a range of heights and may be telescopically slideable in or on the legs (see drawing page 4).

one or more assemblies can be placed side by side to make a multiple assembly requiring only one weighted sox facing outward on the external posts of the multiple assembly to providing the stability and tensions required (see drawing page 5)

one or more assemblies can be place side by side using extensions to provide other sports but placing additional weighted sox's at the bottom of each post that is extended and the external post of the assembly to give the added stability and tensions required (see page 4)

one or more of the posts can be used without a net and with or without extensions for use in other sports or uses (eg net ball, tee ball, hurdle, high jump, and support posts etc.)

General stability of the whole assembly in space is provided by interaction of the court surface and the [REDACTED] feet and the total weight of all elements.

5 For indoor activities it is preferred that a soft rubber fitment preferably (suction fitting) be fitted on the underside of the ends of the feet and base of the foot means.

10 The system can be disassembled in the reverse order to that described above, and packed in a convenient sized bundle or container for storage or transport.

General advantages of the present invention include:

15 (a) when fully assembled, including the net, the whole system can be picked up as a unit, the tensioned net locking the system together;

(b) Portability;

(c) lightness

20 (d) durability;

(e) easily dismountable;

(f) compact to store and transport;

(g) can be used indoors or outdoors for a number of sports;

25 (h) only one net is required for all sports; and

~~PATENT~~

5

(i) a shot cord can be provided in the spacer sections 22-25 to ^{FACT AND POST} hold the [REDACTED] together for simplicity of identification and assembly.

Various changes and modifications may be made
5 to the embodiments described and illustrated without departing from the present invention.

DATED this 26 day of August 1992.

JEFFREY HARRIS SEYMOUR

[REDACTED]

[REDACTED]

The claims defining the invention are as follows:

1. A portable free standing net support assembly including:

a pair of side posts; and

5 a spring loaded net assembly interconnected to the side posts, wherein:

each post has a plurality of downwardly inclined legs to support the post above the surface; and weight means are applied to the legs of the

10 side posts;

so arranged that when the weight means are applied, the side posts create respective fulcrums to place the net assembly in tension.

2. A support assembly as claimed in Claim 1 and 15 further including:

at least one intermediate post having a plurality of downwardly inclined legs to support the intermediate post above the surface; and

20 each intermediate post to adjacent sides or intermediate posts;

so arranged that the tension through the net assemblies applies a downward force on the or each intermediate post.

25 3. A support assembly as claimed in Claim 1 wherein:

the inclined legs are releasably detachable from angled inserts on the side posts; and

30 elasticated cord connects the inclined legs to the side posts;

so arranged that the inclined legs may be detached from the angled inserts and laid along the side posts for transport or storage.

DATED this sixteenth day of March 1993.

35

JEFFREY HARRIS SEYMOUR,

By his Patent Attorneys,

GRANT ADAMS & COMPANY.



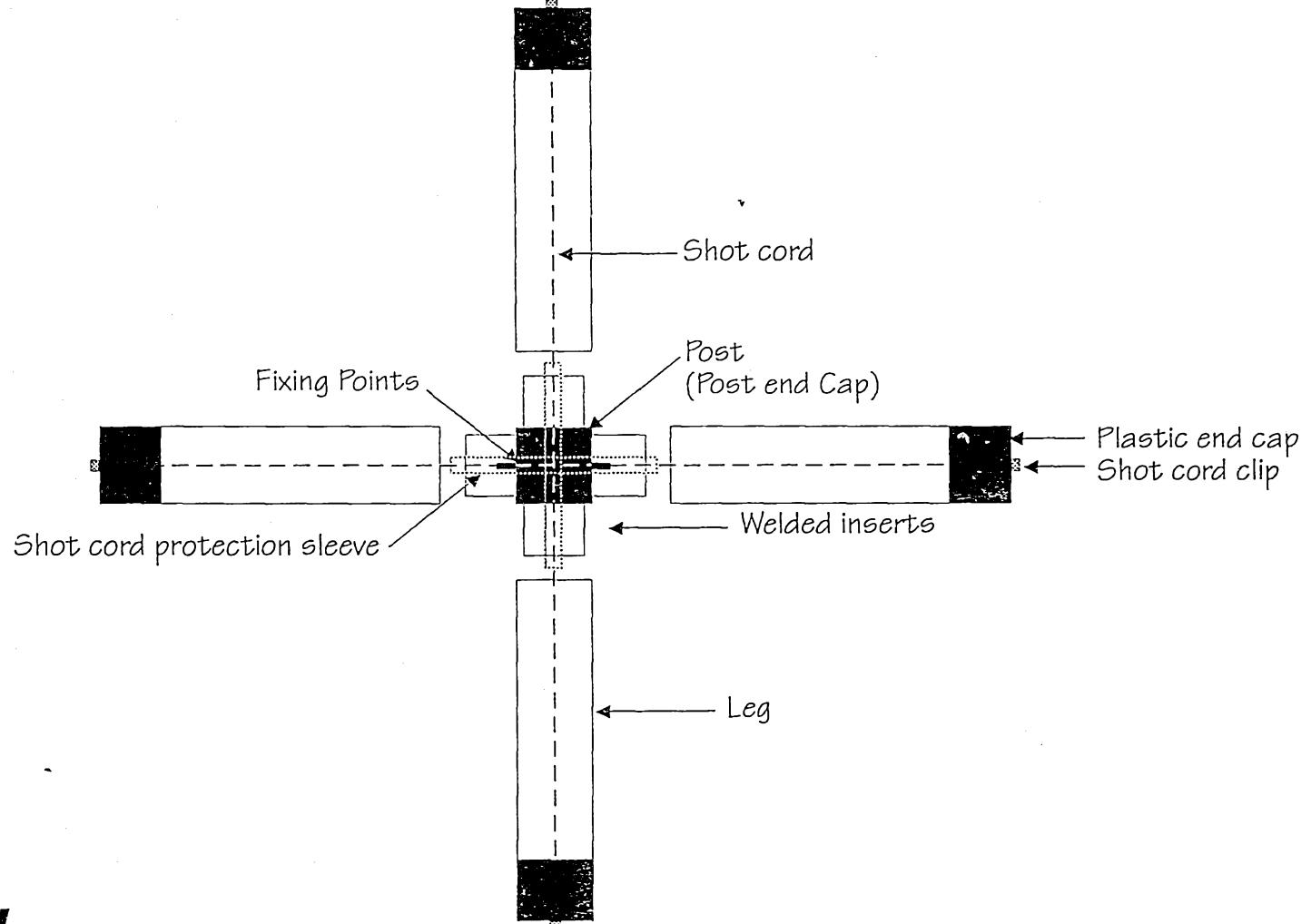
ABSTRACT

A portable free standing net support assembly has a pair of side posts interconnected by a spring headed net assembly under tension. Each side post is 5 supported above the surface by inclined legs to which weights are applied to cause the side posts to act as fulcrums to tension the net assembly.

One or more intermediate posts may be connected to adjacent side posts and/or intermediate 10 posts by tension net assemblies which transfer a downward force to the intermediate post(s).

"ACE TENNIS" MULTI-COURT SYSTEM

(6)

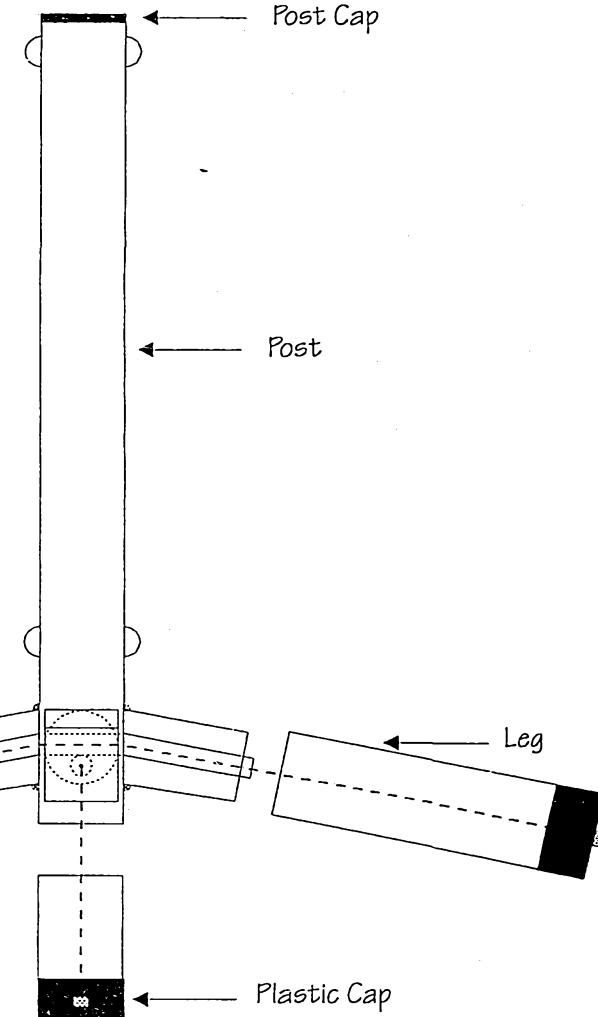
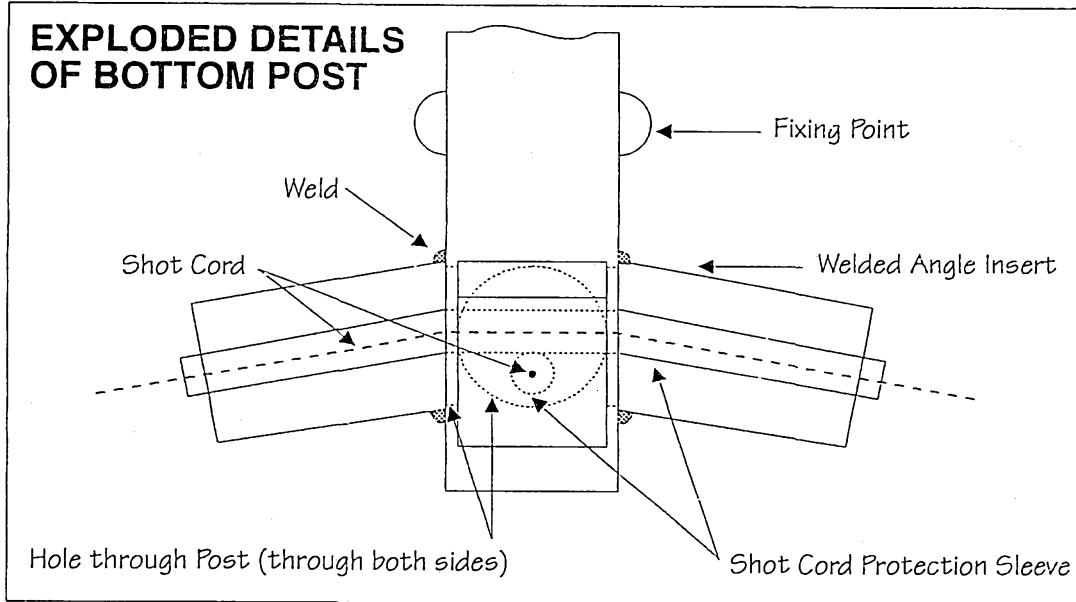


**PLAN VIEW
OF SINGLE POST**

(PAGE 1)

"ACE TENNIS" MULTI-COURT SYSTEM

(7)



**FRONT ELEVATION
OF SINGLE POST**

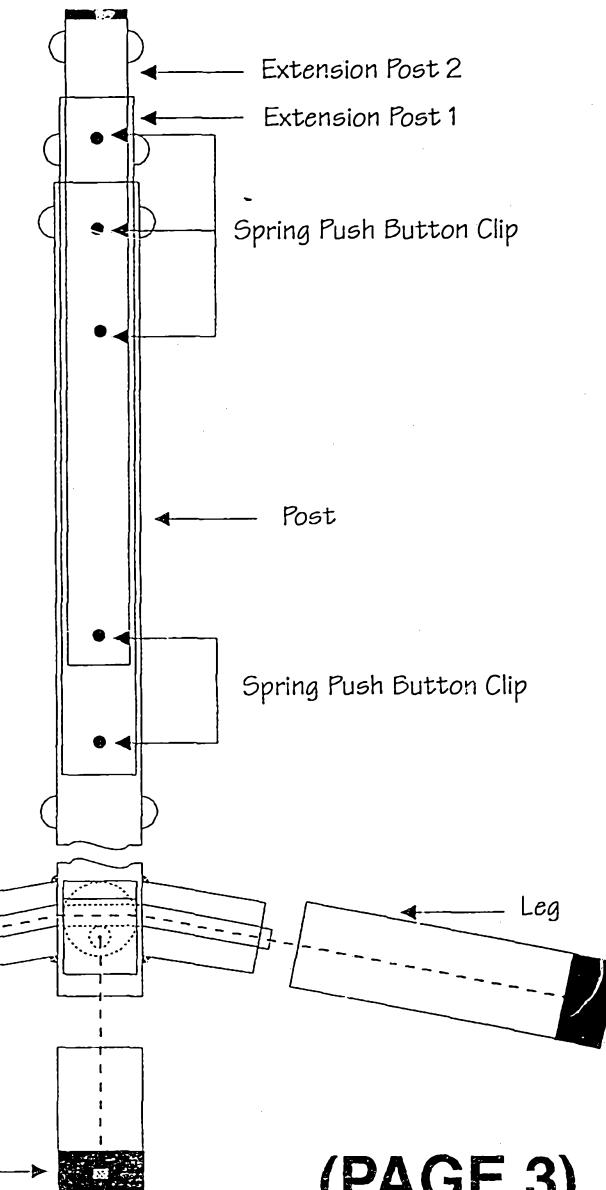
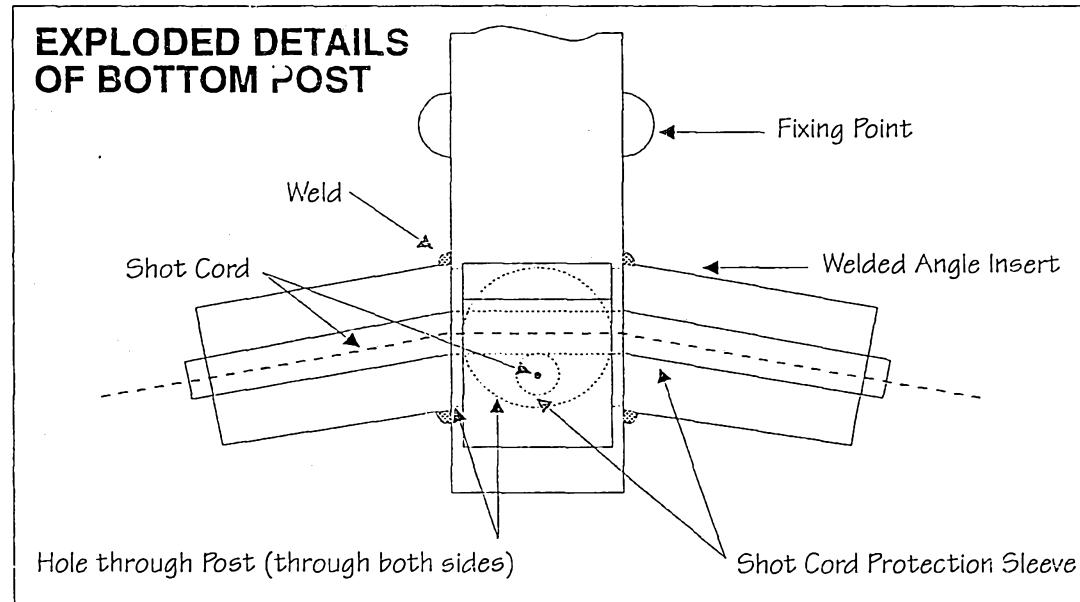
(PAGE 2)

"ACE TENNIS" MULTI-COURT/MULTI-SPORT SYSTEM

(8)

2/12/97/3

3/6



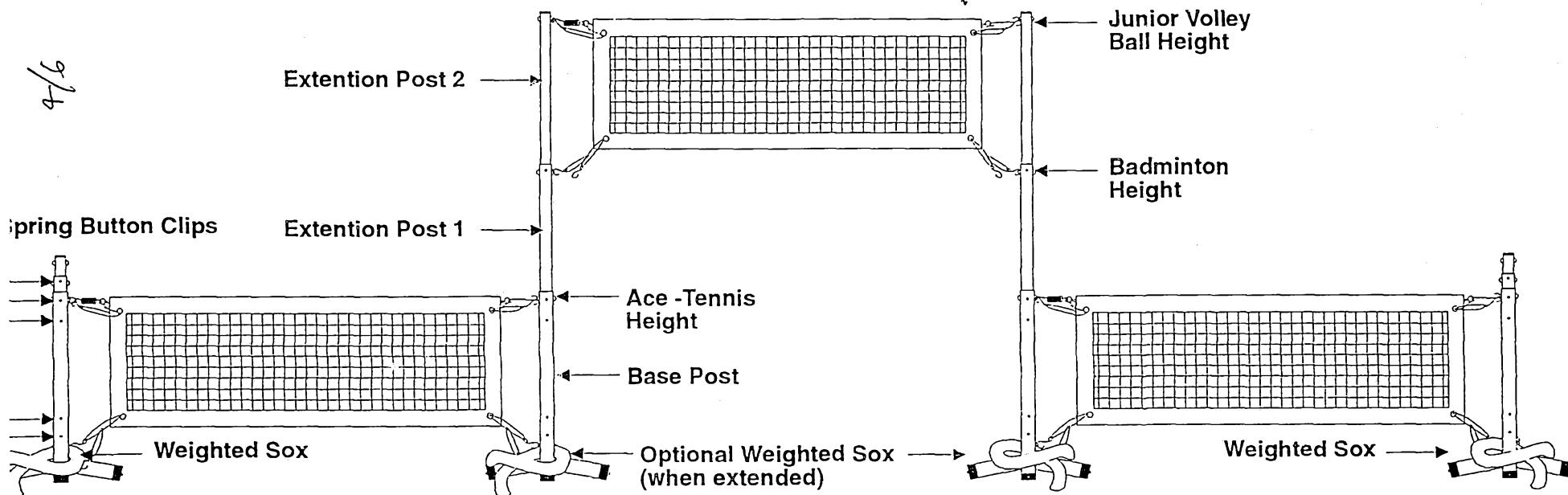
FRONT ELEVATION OF SINGLE POST

(PAGE 3)

FUNCOURT MULTI-COURT/MULTI-SPORT SYSTEM

2/12/2017/3/2

4/6



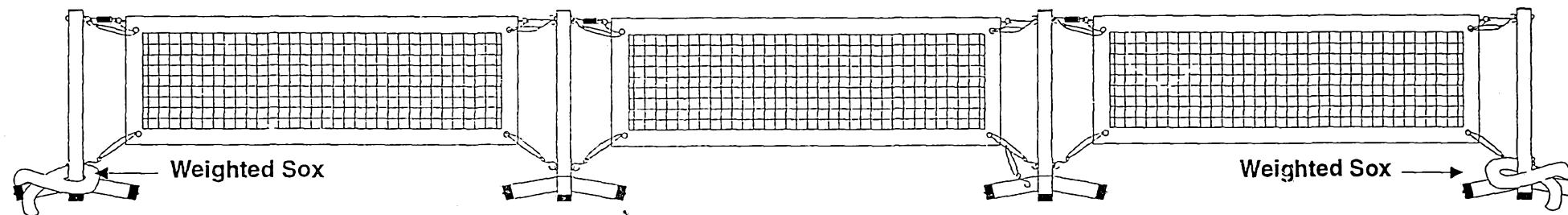
**FRONT ELEVATION
MULTI-POST NETS**

(PAGE 4)

FUNCOURT "ACE-TENNIS" MULTI-COURT SYSTEM

(10)

5/6



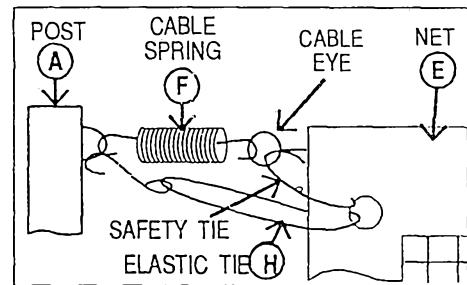
**FRONT ELEVATION
MULTI-POST NETS**

(PAGE 5)

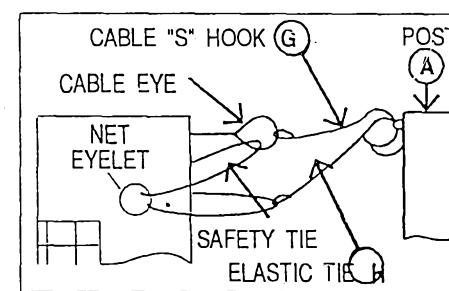
FUNCOURT NET

11

DETAIL B SPRING END



DETAIL A



FIXING POINT W

DETAIL B

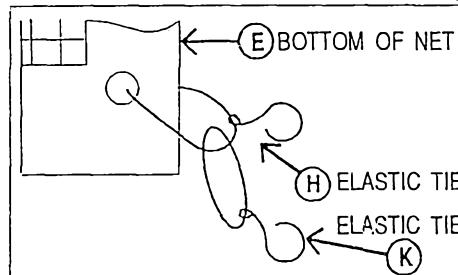
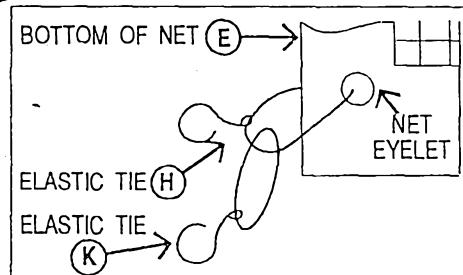
6/6

Post

DETAIL A

Post

DETAIL C



FIXING POINT U

DETAIL C

DETAIL C

(PAGE 6)