

(12) **UK Patent Application** (19) **GB** (11) **2 286 538** (13) **A**

(43) Date of A Publication **23.08.1995**

(21) Application No **9403180.4**

(22) Date of Filing **18.02.1994**

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(51) INT CL⁶
A63B 71/02 61/02

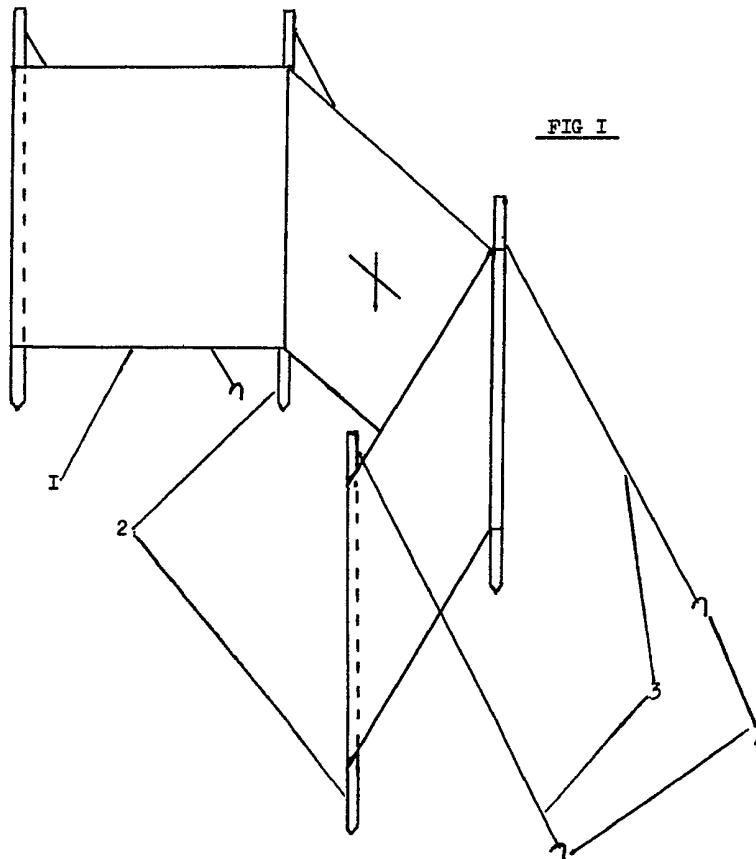
(52) UK CL (Edition N)
A6D D13B

(56) Documents Cited
GB 2164573 A GB 1408424 A US 4188031 A
US 3601406 A

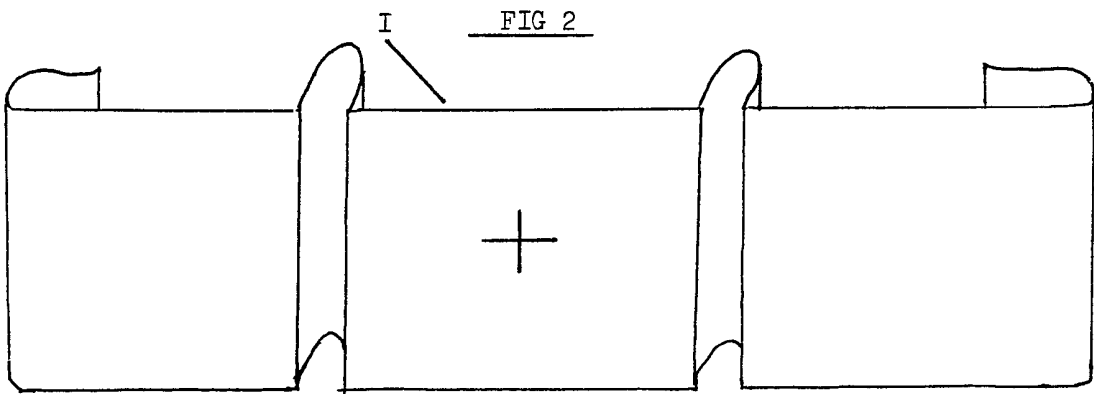
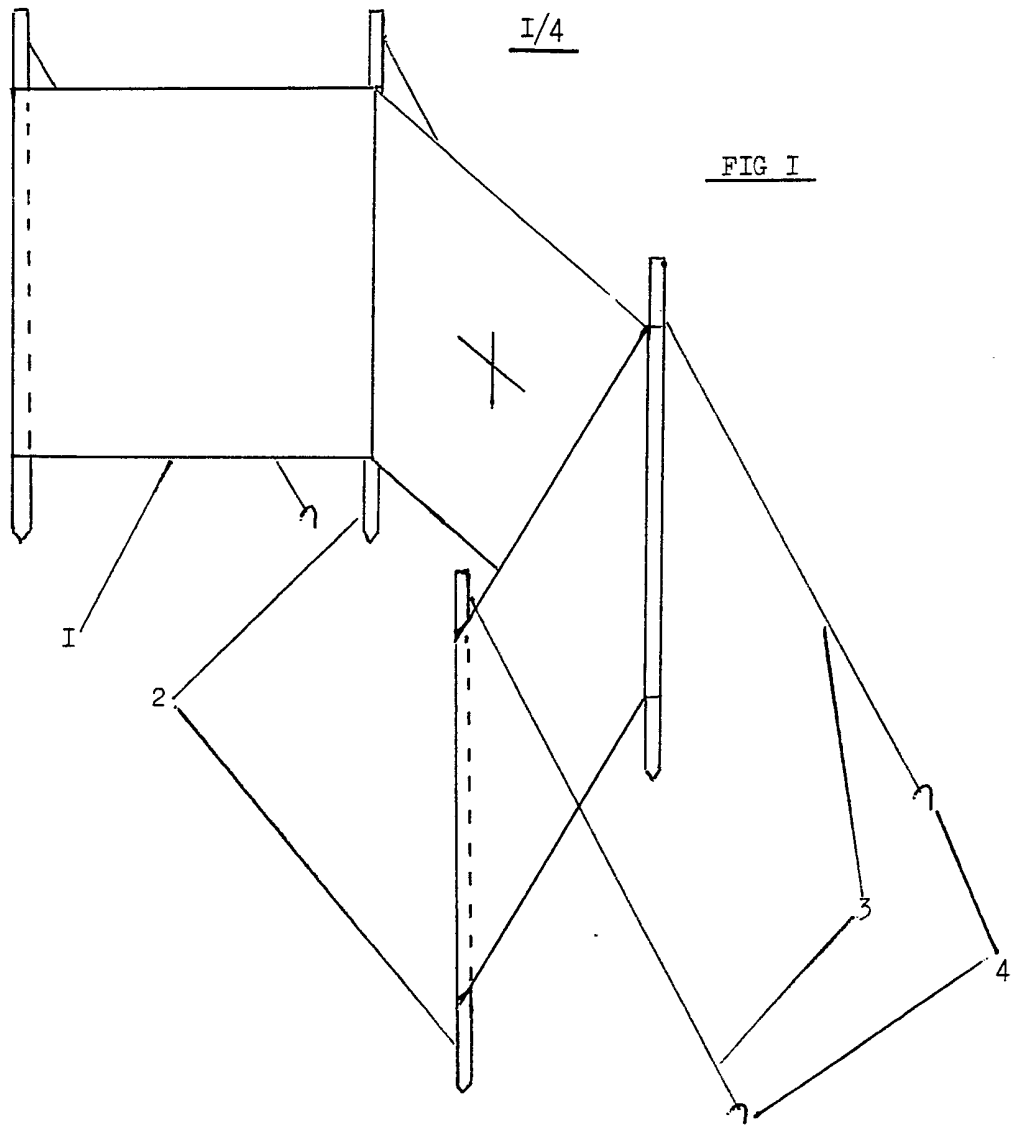
(58) Field of Search
UK CL (Edition N) **A6D D11F D11G D11X D13B**
INT CL⁶ **A63B 61/02 71/02**

(54) **Transportable target and ball**

(57) A transportable ball target with a fibrous cloth held taught allows a hollow plastic ball with two strips of hook fastener glued to it at ninety degrees to each other to be propelled at the target and to stick on to the target and enable a person to analyse in which direction the ball was propelled. The backdrop and ball can also be used with the addition of centre section replacements with a variety of designs to aim at. The target is supported by plastics coated steel poles and its size may be varied.



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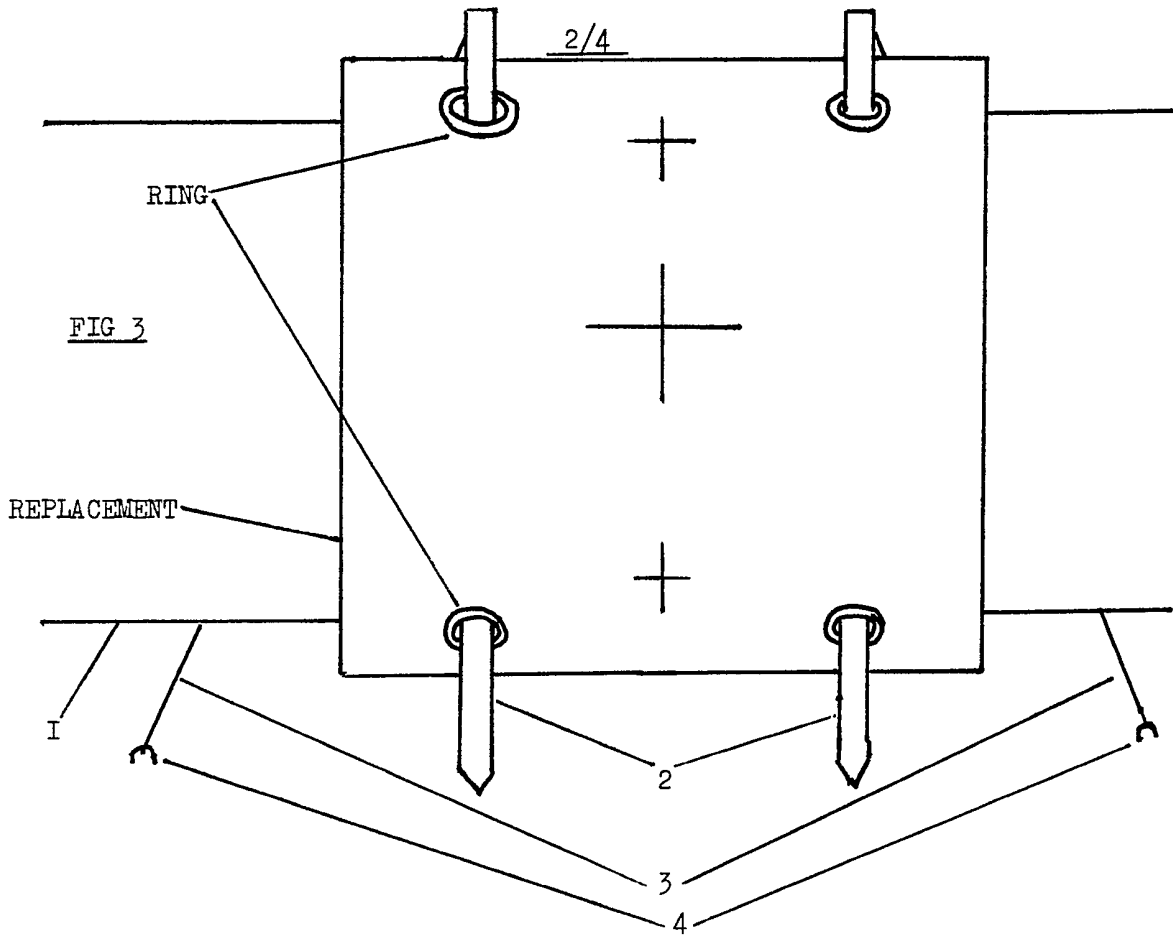
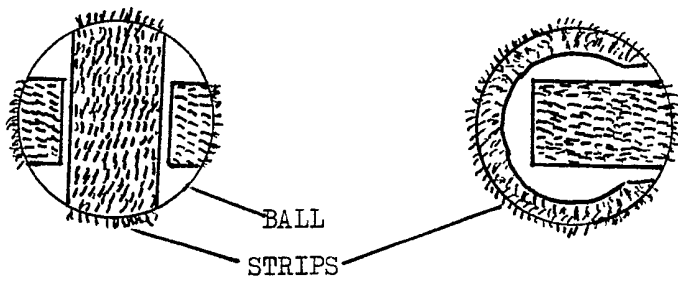
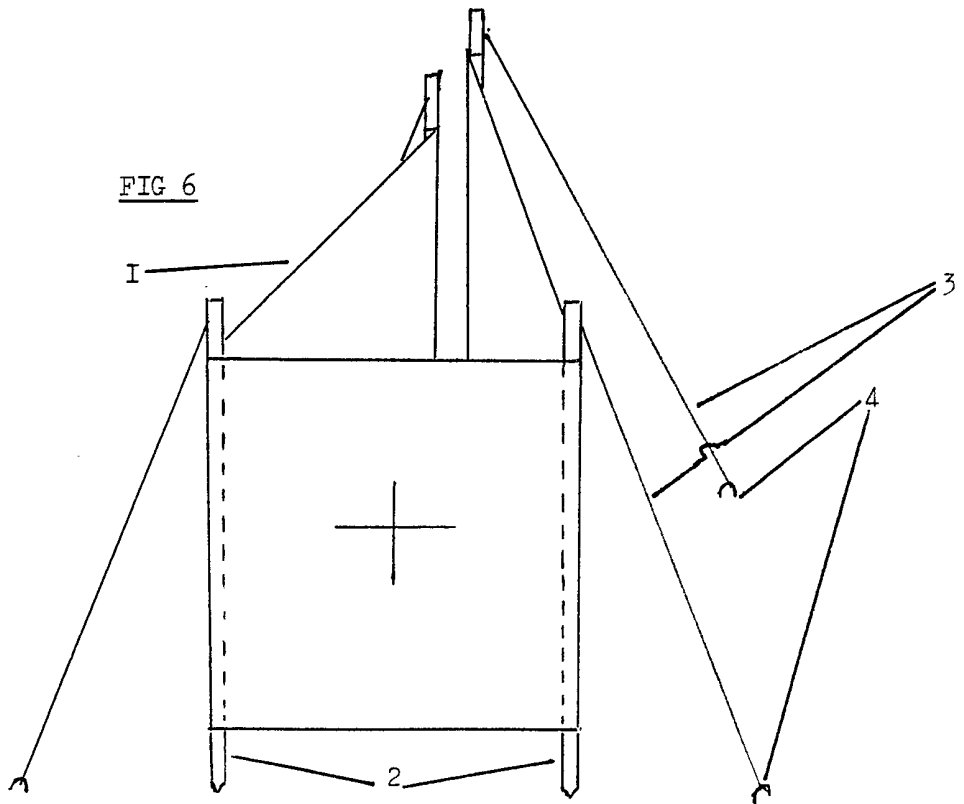
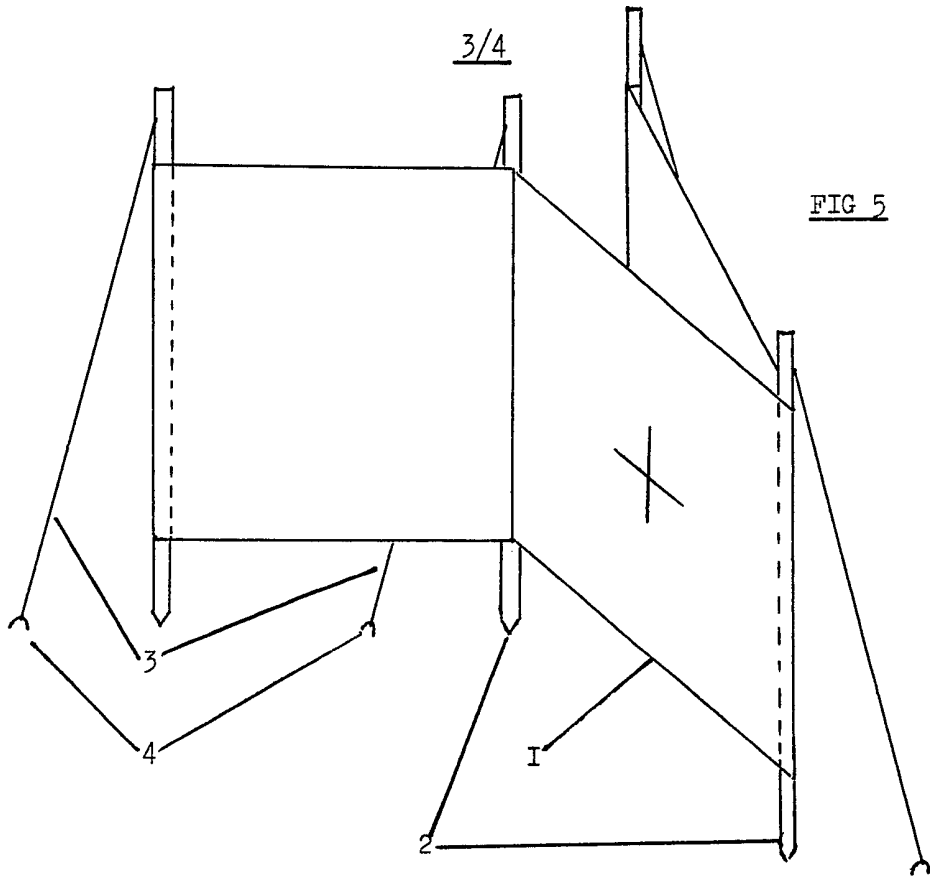


FIG 4





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FIG 7

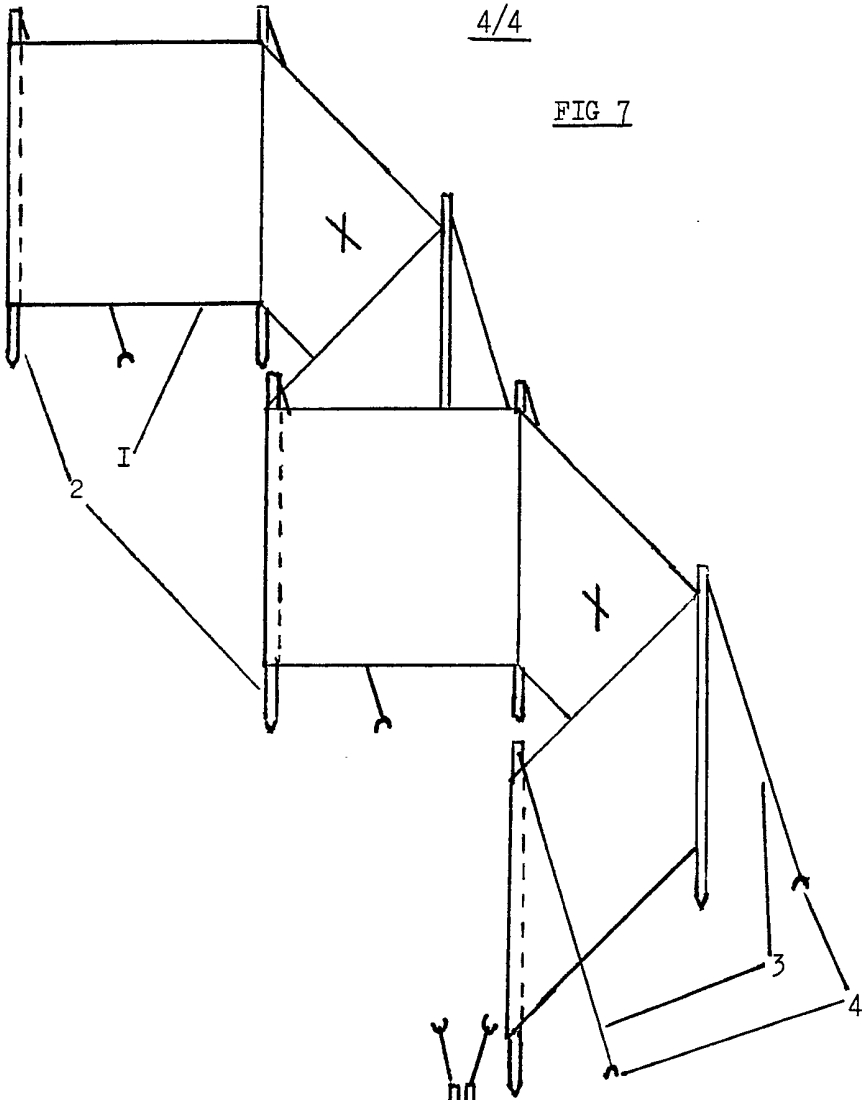
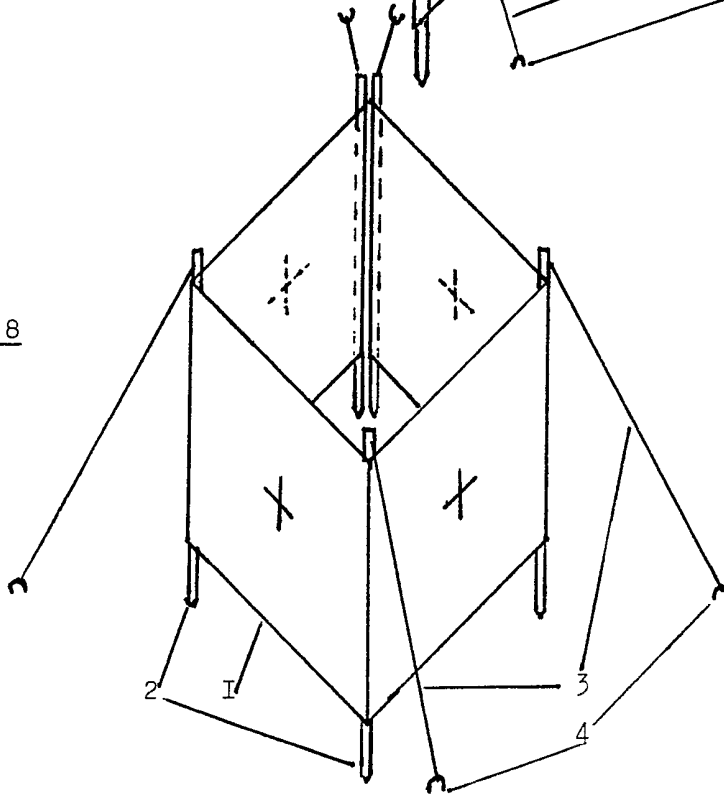


FIG 8



TRANSPORTABLE TARGET AND BALL

THIS INVENTION RELATES TO A TRANSPORTABLE TARGET AND BALL

THE TRADITIONAL GOLF NET IS CONSTRUCTED USING A METEL FRAMEWORK WITH NETTING AND IS USED WITH SOLID GOLF BALLS. AFTER HITTING A SOLID GOLF BALL INTO THE NET IT IS VERY DIFFICULT TO KNOW IN WHICH DIRECTION THE GOLF BALL WAS PROPELLED UNLESS YOU MOVE YOUR HEAD TO WATCH THE BALL DURING THE SWING. THIS CAN LEAD TO ERRORS IN THE SWING. THE TRADITION-AL GOLF NET IS OFTEN PERMANENTLY FIXED OR TOO LARGE AND HEAVY TO MOVE OR TRANSPORT ANYWHERE.

THE TRANSPORTABLE TARGET AND BALL COMPRISES OF A FIBROUS CLOTH HELD TAUGHT AND SUPPORTED BY PLASTIC COATED TUBULAR STEEL POLES AND A HOLLOW PLASTIC BALL WITH TWO STRIPS OF HOOK FASTENER GLUED TO IT AT NINETY DEGREES TO EACH OTHER. THE TENSION OF THE CLOTH AND ITS FIB-ROUS MAKE-UP ENABLES A HOOK-COATED BALL TO STICK TO THE CLOTH WHEN IT IS PROPELLED AT IT.

THE INVENTION WILL BE DESCRIBED BY WAY OF EXAMPLE WITH REFERENCE TO THE ACCOMPANYING DRAWINGS WHICH :

FIGURE 1 SHOWS IN PERSPECTIVE THE FRAMEWORK OF THE TARGET

FIGURE 2 SHOWS THE SLEEVES IN THE MATERIAL INTO WHICH THE POLES FIT.

FIGURE 3 SHOWS THE INTERCHANGEABLE CENTRE SECTIONS.

FIGURE 4 SHOWS THE HOLLOW PLASTIC BALL WITH TWO STRIPS OF HOOK FAST-ENER GLUED TO IT AT NINETY DEGREES TO EACH OTHER.

REFERRING TO THE DRAWING FIGURE 1 THE TARGET COMPRISES OF A FIBROUS CLOTH 1 HELD TAUGHT AND SUPPORTED BY POLES 2. THERE IS ONE PIECE OF CLOTH WITH SLEEVES SEWN INTO THE MATERIAL TO ALLOW THE POLES TO SLIDE INTO THE CLOTH AS ILLUSTRATED IN FIGURE 2.

THE BALL, AS SHOWN IN FIGURE 4 IS A HOLLOW PLASTIC . BALL WITH TWO STRIPS OF HOOK FASTENER GLUED TO IT AT NINETY DEGREES TO EACH OTHER WHICH ENABLES IT TO STICK TO THE FIBROUS MATERIAL.

IN ORDER TO PROVIDE STABILITY FOR THE TARGET AND TO INCREASE THE TENSION OF THE CLOTH, GUIDE ROPES 3 MAY BE ATTACHED TO THE POLES AND SECURED TO THE GROUND BY PEGS 4.

THE POLES ARE CONSTRUCTED OF PLASTIC-COATED TUBULAR STEEL SO THAT THEY ARE LIGHTWEIGHT AND ARE RUST-PROOF. THE POLES HAVE A POINTED SHAFT WHICH ENABLE THE POLES TO BE DRIVEN INTO THE GROUND.

IN LOCATIONS WITH SMALL AMOUNTS OF ROOM IT IS POSSIBLE TO REDUCE THE SIZE OF THE TARGET TO $\frac{1}{2}$ OR $\frac{2}{3}$ OF THE FULL SIZE BY USING ONLY ONE OR TWO OF THE THREE SECTIONS AVAILABLE. THIS IS SHOWN IN FIG 5 AND FIG 6. THE UNUSED SECTION(S) IS ROLLED UP AROUND THE UNUSED POLE(S) AND PLACED ALONGSIDE THE POLES IN USE.

REPLACEMENT CENTRE SECTIONS MAY BE USED TO ALLOW AN ALTERNATIVE DESIGN FOR AIMING AT. A SMALLER PIECE OF FIBROUS CLOTH WITH FOUR CIRCULAR HOLLOW RINGS INSET INTO THE CORNERS OF THE CLOTH. THE RINGS CAN BE SLIPPED OVER BOTH THE BOTTOM AND TOP OF THE POLES TO COVER THE CENTRE-SECTION OF THE BACKDROP. THIS IS ILLUSTRATED IN FIG 3 .

FIGURE 7 ILLUSTRATES THE TARGET WITH 6 SECTIONS WHICH ALLOWS FOR TWO PEOPLE TO USE THE TARGET AT THE SAME TIME.

FIGURE 8 ILLUSTRATES THE TARGET WITH 4 SECTIONS WHICH ALLOWS FOUR PEOPLE TO USE THE TARGET AT THE SAME TIME.

C L A I M S

1. A TRANSPORTABLE TARGET AND BALL COMPRISING OF A FIBROUS CLOTH HELD TAUGHT AND SUPPORTED BY PLASTIC COATED TUBULAR STEEL POLES AND A HOOK COATED BALL. THE TENSION OF THE CLOTH AND ITS FIBROUS MAKE-UP ENABLES A HOOK COATED BALL TO STICK TO THE CLOTH WHEN IT IS PROPELLED AT IT.
2. A TRANSPORTABLE TARGET AND BALL AS CLAIMED IN CLAIM 1 WHEREIN SLEEVES ARE SEWN INTO THE FIBROUS CLOTH TO ALLOW THE POLES TO SLIDE IN OR OUT OF THE CLOTH.
3. A TRANSPORTABLE TARGET AND BALL AS CLAIMED IN CLAIM 1 OR CLAIM 2 WHERE GUIDE ROPES MAY BE ATTACHED TO THE POLE AND SECURED TO THE GROUND TO INCREASE THE TENSION OF THE CLOTH.
4. A TRANSPORTABLE TARGET AND BALL AS CLAIMED IN CLAIM 2 OR CLAIM 3 WHERE POLES ARE CONSTRUCTED OF PLASTIC-COATED TUBULAR STEEL WITH A POINTED SHAFT WHICH ENABLES THE POLES TO BE DRIVEN INTO THE GROUND
5. A TRANSPORTABLE TARGET AND BALL AS IN CLAIM 4, WHERE IT IS POSSIBLE TO REDUCE THE SIZE OF THE TARGET TO $\frac{1}{3}$ OR $\frac{2}{3}$ OF THE FULL SIZE BY USING ONLY ONE OR TWO OF THE THREE SECTIONS AVAILABLE.
6. A TRANSPORTABLE TARGET AND BALL AS IN ANY PRECEDING CLAIM, WHERE REPLACEMENT CENTRE SECTIONS MAY BE UTILISED BY USING A SMALLER PIECE OF FIBROUS CLOTH.
7. A TRANSPORTABLE TARGET AND BALL AS IN ANY PRECEDING CLAIM, WHERE MORE SECTIONS ARE UTILISED TO ALLOW MORE PEOPLE TO USE THE TARGET.
8. A TRANSPORTABLE TARGET AND BALL SUBSTANTIALLY AS DESCRIBED HEREIN WITH REFERENCE TO FIGURES 1-8 OF THE ACCOMPANGING DRAWINGS.

Relevant Technical Fields

(i) UK Cl (Ed.N) A6D D11F, D11X, D11G, D13B

(ii) Int Cl (Ed.6) A63B 67/02 A63B 71/02

Databases (see below)

(i) UK Patent Office collections of GB, EP, WO and US patent specifications.

(ii)

Search Examiner
 D W WHITFIELD

Date of completion of Search
 27 FEBRUARY 1995

Documents considered relevant
 following a search in respect of
 Claims :-
 1-8

Categories of documents

- | | |
|---|---|
| X: Document indicating lack of novelty or of inventive step. | P: Document published on or after the declared priority date but before the filing date of the present application. |
| Y: Document indicating lack of inventive step if combined with one or more other documents of the same category. | E: Patent document published on or after, but with priority date earlier than, the filing date of the present application. |
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| Category | Identity of document and relevant passages | Relevant to claim(s) |
|----------|--|-----------------------------|
| Y | GB 2164573 A (CRAVEN) whole document | 1-7 |
| Y | GB 1408424 (WILSON) whole document | 1-7 particularly 3 and 4 |
| Y | US 4188031 (FOX) whole document | 1-7 particularly 5 and 7 |
| Y | US 3601406 (GIUSTI) whole document | 1-7 particularly Claim 6 |

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