

PATENT SPECIFICATION

588,334



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PROVISIONAL SPECIFICATION

Improvements in the Construction of Football and like Goals

I, JOHN CLAUDE PERKINS, a British subject, of 8 Midgate, Peterborough, do hereby declare the nature of this invention to be as follows:—

5 This invention relates to improvements in the construction of football and like goals and refers particularly to improvements in the football and like goals of the kind described in the specification of my
10 prior Letter Patent No. 183,677. In a football and like goal according to this specification the uprights and cross bar are made elliptical in cross section and
15 having the major axis of the elliptical cross section of the uprights disposed at right angles to the goal line whilst that of the cross bar is disposed parallel to the ground.

20 The object of the present invention is to provide additional strength to the upright members of the goals.

25 According to this invention the upright members of a goal of the kind referred to are formed at their lower ends with rectangular cross sections adapted to fit into the ground sockets usually provided. The upright members may be further strengthened by metal re-inforcing strips attached to them

30 Football and like goals usually fit into sockets inserted in the ground, the sockets being sufficiently deep to hold the upright members of the goal rigidly in position. The sockets are, in the present
35 invention, made rectangular in cross section and the lower ends of the upright members for a length equivalent to the depth of the sockets are made rectangular in cross section and of suitable dimensions to fit into the sockets. The remainder of the upright members are made elliptical in cross section, a suitable radius being provided at the point where the cross section changes from rectangular to elliptical.
45

When ground plates are provided on the upper ends of the sockets the rectangular portions on the upright members extend up to a point level with the upper
50 faces of the ground plates.

In order to provide additional strength to the upright members, metal re-inforcing strips may be provided thereon. These

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metal strip are preferably disposed on the rear sides of the upright members. The
55 metal strips are preferably applied so that the elliptical cross sectional shape of the upper parts of the upright members is retained. For this purpose a flat is formed on the rear side of each upright member
60 on the part where it is elliptical and this flat extends into and forms the base of a groove in the rear side of the rectangular part. The metal strips are secured to the flats by screws provided at spaced points
65 along the length of the strips which extend the full length of the upright members and are located in the grooves formed at the lower ends. Alternatively the rear face of the lower part may be in
70 the same plane as the flat on the upper part, in which case a groove is formed in the rear side of the socket to accommodate the metal re-inforcing strip. The strips are made of a suitable cross sectional
75 shape so that when secured in position the outer face of each strip forms a continuation of the outer face of that part of the upright member above ground and the whole retains its elliptical cross sectional
80 shape.

A similar re-inforcing strip may be provided along the rear side of the cross bar, a flat being provided thereon for the purpose.
85

Holes are provided at intervals along the strips so that hooks may be screwed into the uprights to hold the goal nets in position. If preferred the net hooks may be screwed into the metal strips, screwed
90 threaded holes being provided in the strips to receive the screw threaded ends of the hooks

With the construction described the lower ends of the upright members, being
95 rectangular, are much stronger, the upright members, and if desired the cross bar, are further strengthened by the metal strips and the sockets to receive the lower ends of the upright members are
100 simpler and cheaper to make.

Dated the 9th day of February, 1945.

L. A. SHELDON,
25, St. James' Street,
Nottingham,
Agent for the applicant.

COMPLETE SPECIFICATION

Improvements in the Construction of Football and like Goals

I, JOHN CLAUDE PERKINS, a British Subject, of 8, Midgate, Peterborough, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to improvements in the construction of football and like goals and refers particularly to improvements in the football and like goals of the kind described in the specification of my prior Letter Patent No. 183677. In a football and like goal according to this prior specification the uprights and cross bar are made elliptical in cross section and having the major axis of the elliptical cross section of the uprights disposed at right angles to the goal line whilst that of the cross bar is disposed parallel to the ground.

The object of the present invention is to provide additional strength to the upright members of the goals and if desired to the cross bar.

According to this invention the upright members of a goal of the kind referred to are formed at their lower ends with rectangular cross sections adapted to fit into the ground sockets usually provided. The upright members may be further strengthened by metal re-inforcing strips attached to them. A similar re-inforcing strip may also be attached to the cross bar.

The invention will now be more particularly described with reference to the accompanying drawings in which:—

Fig. 1 is a rear elevation and Fig. 2 a side elevation of a goal constructed according to this invention showing the lower ends of the upright members of the goal fitting into sockets which are inserted in the ground.

Fig. 3 is a sectional plan taken on the line XX of Fig. 1 showing the rectangular lower ends of the upright members disposed in ground sockets,

Fig. 4 is a sectional plan of one of the upright members showing the rectangular lower end and

Fig. 5 is a sectional elevation of the cross bar showing a re-inforcing strip attached thereto.

Figs. 4 and 5 are drawn to a larger scale than the remaining figures.

Like letters indicate like parts throughout the drawings.

Football and like goals usually fit into sockets inserted in the ground, the sockets

being sufficiently deep to hold the upright members of the goal rigidly in position. The sockets A are, in the present invention, made rectangular in cross section and the lower ends of the upright members B for a length equivalent to the depth of the sockets are made rectangular in cross section and of suitable dimensions to fit into the sockets A. The remainder of the upright members B are made elliptical in cross section, a suitable radius being provided at the point where the cross section changes from rectangular to elliptical.

When ground plates C are provided as shown in Figs. 1 to 3 at the upper ends of the sockets A the rectangular portions on the upright members B extend up to a point level with the upper faces of the ground plates which are disposed level with the surface of the ground.

In order to provide additional strength to the upright members B, metal reinforcing strips D may be provided thereon. These metal strips D are preferably disposed on the rear sides of the upright members as shown in the drawings. The metal strips are preferably applied so that the elliptical cross sectional shape of the upper parts of the upright members is retained. For this purpose a flat F is formed on the rear side of each upright member on the part where it is elliptical and this flat F extends into and forms the base of a groove G in the rear side of the rectangular part. The metal strips are secured to the flats F by screws provided at spaced points along the length of the strips which extend the full length of the upright members and are located in the grooves formed at the lower ends. Alternatively the rear face of the lower or rectangular part may be in the same plane as the flat on the upper part, in which case a groove is formed in the rear side of the socket A to accommodate the metal re-inforcing strip. The strips are made of a suitable cross sectional shape so that when secured in position the outer face of each strip forms a continuation of the outer face of that part of the upright member above ground and the whole retains its elliptical cross sectional shape as shown in Figs. 3 and 4.

A similar re-inforcing strip H may be provided along the rear side of the cross bar J as shown in Figs. 1 and 5, a flat being provided thereon for the purpose.

Holes are provided at intervals along the strips so that hooks may be screwed into the uprights to hold the goal nets in

position. If preferred the net hooks may be screwed into the metal strips, screw threaded holes being provided in the strips to receive the screw threaded ends of the hooks.

With the construction described the lower end of the upright member, being rectangular, are much stronger, the upright members, and if desired the cross bar, are further strengthened by the metal strips and the sockets to receive the lower ends of the upright members are simpler and cheaper to make.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A football or like goal of the kind referred to in which the lower ends of the upright members where they engage in the ground sockets are made rectangular in cross section.

2. A football or like goal according to claim 1 in which the upright members are re-inforced by metal strips.

3. A football or like goal according to claim 2 in which the metal strips are secured to flats formed on the rear sides of the upright members and are shaped so as to maintain the elliptical cross sectional shape of the parts of the upright member above the ground.

4. A football or like goal according to the preceding claims 1 to 3 in which the cross bar is re-inforced by a metal strip attached thereto.

5. A football or like goal according to claim 4 in which the metal re-inforcing strip is secured to a flat formed on the rear side of the cross bar and is shaped so as to maintain the elliptical cross section of the cross bar.

6. A football or like goal substantially as herein described and illustrated in the accompanying drawings.

Dated the 6th day of October, 1945.

L. A. SHELDON,
25, St. James Street,
Nottingham,
Agent for the applicant.

[This Drawing is a reproduction of the Original on a reduced scale.]

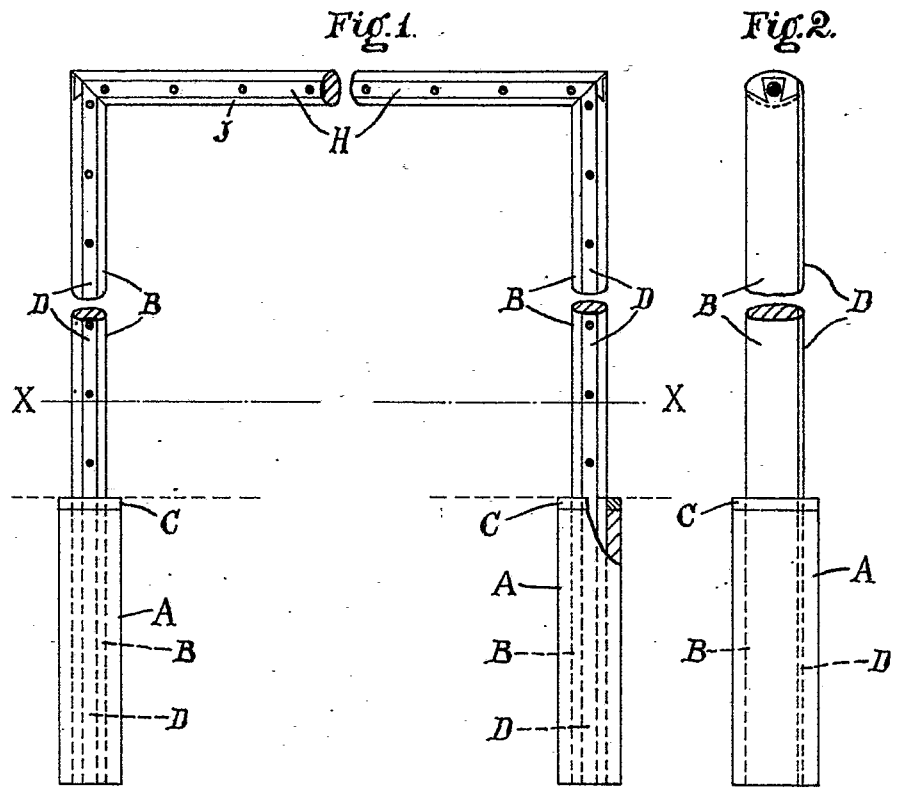


Fig. 3.

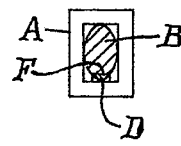
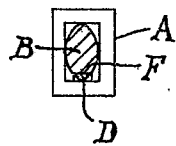


Fig. 4.

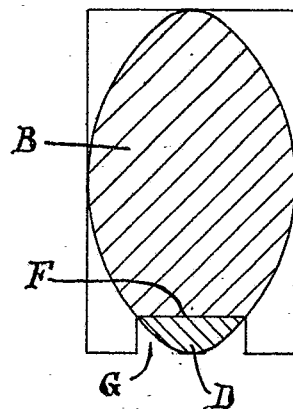


Fig. 5.

