COMMONWEALTH OF AUSTRALIA
Patent Act 1952

CONVENTION APPLICATION FOR A STANDARD PATENT

I/WE, FERNAND SCHERRER, of 2, rue Georges Bizet, 68170 -
Rixheim, France

hereby apply for the grant of a Standard Patent for an invention
entitled
FALSE CEILING OR FALSE WALL CONSTITUTED BY A STRETCHED SHEET
FASTENED

which is described in the accompanying complete specification.

My address for service is F.B. RICE & CO.,
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Dated this 11th day of March 1987.

FERNAND SCHERRER

By:
Registered Patent Attorney

To: The Commissioner of Patents
COMMONWEALTH OF AUSTRALIA
DECLARATION IN SUPPORT

In support of the Application made by: Fernand Scherrer, of 2, rue Georges Bizet, 68170 - Rixheim, France

for a patent for an invention entitled: FALSE CEILING OR FALSE WALL CONSTITUTED BY A STRETCHED SHEET FASTENED

I, Fernand Scherrer, do solemnly and sincerely declare as follows:

a) I am the applicant for the patent.

b) I am the actual inventor of the invention.

Declared at Paris, France this 4th day of March 1987

Signed Status Applicant and Inventor

Declarant's Name SCHERRER Fernand

F. B. RICE & CO PATENT ATTORNEYS

This form is suitable for any type of Patent Application. No legalization required.
FALSE CEILING OR FALSE WALL CONSTITUTED BY A FASTENED STRETCHED SHEET

FERNAND SCHERRER

69967/87 (22) 12.3.87 (24) 12.3.87

15.9.88

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Claim 1. False ceiling or false wall, constituted by a stretched sheet fastened, along its edges, to a support fixed to the wall or to the ceiling, wherein the sheet bears, at the passage of an element projecting with respect to the wall, such as a pipe, a reinforcing plate glued on its face turned towards the ceiling or wall, this reinforcing plate presenting a cut-out allowing passage of the projecting element through it and through the sheet.
COMPLETE SPECIFICATION
(ORIGINAL)

Class Int. Class

Application Number : 69967/87

Lodged :

Complete Specification Lodged :
Accepted :
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Priority : NIL

Related Art :

Name of Applicant : FERNAND SCHERRER

Address of Applicant : 2, rue Georges Bizet, 68170 - Rixheim, France

Actual Inventor/s : FERNAND SCHERRER


Complete Specification for the invention entitled:
FALSE CEILING OR FALSE WALL CONSTITUTED BY A STRETCHED SHEET FASTENED

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

The present invention relates to a false ceiling or false wall constituted by a stretched sheet fastened, along its edges, to a support fixed to the wall or ceiling.

False ceilings are already known which comprise, on the one hand, a horizontal frame fixed to the upper part of the walls of a premises, this frame being formed by an outer longitudinal member itself constituted by butt-jointed sections and, on the other hand, a sheet stretched horizontally within this frame, this sheet being constituted by a sheet of plastics material or a fabric cloth. The sheet is maintained stretched due to the fastening, on the longitudinal member, of an edge integral with the sheet, forming to some extent a "harpoon", this edge presenting in cross section the form of a hook hooking on a shoulder of the longitudinal member.

Although such a false ceiling has proved relatively easy to position it has, however, raised certain problems at those points where, in a room where the false ceiling is positioned, there are water downpipes, central heating pipes, electric sleeves, etc., such elements being placed against the wall or some centimetres therefrom. Various techniques have been envisaged to allow the sheet to go round these elements projecting with respect to the wall, but such techniques have not proved satisfactory as they generally render the process of assembly of the sheet complicated.

SUMMARY OF THE INVENTION

It is an object of the present invention to overcome these drawbacks by providing a false ceiling or false wall of particularly simple design, allowing easy passage of the projecting elements such as various pipes.

To that end, this false ceiling or false wall, constituted by a stretched sheet fastened, along its edges, to a support fixed to the wall or to the ceiling, is characterized in that the sheet bears, at the passage of an element projecting with respect to the wall, such as a pipe, a rein-
forcing plate glued on its face turned towards the ceiling or wall, this reinforcing plate presenting a cut-out allowing passage of the projecting element through it and through the sheet.

BRIEF DESCRIPTION OF THE DRAWINGS

The invention will be more readily understood on reading the following description with reference to the accompanying drawings, in which:

Fig. 1 is a view in perspective, from above, of a stretched sheet fastened on a longitudinal element, at the point where two vertical pipes pass.

Fig. 2 is a view in vertical section made along line II-II of Fig. 1.

Fig. 3 is a view in perspective illustrating the use of a reinforcing plate for the passage of pipes located in a corner of a room.

Fig. 4 is a view in perspective of a variant embodiment of the invention.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring now to the drawings, Figs. 1 and 2 illustrate an embodiment of a false ceiling constituted by a sheet 1, constituted by a fabric cloth or a sheet of plastics material which is stretched and fastened, along its edges, to a support 2 fixed to the upper part of a wall 3.

The support 2 is constituted by a horizontal longitudinal element extending all around the room and which is formed by sections of butt-jointed profiles. Each profile has a substantially L-shaped cross section and it presents, on its horizontal arm, a shoulder 4 on which is fastened an edge 5 of the sheet 1, in the form of a hook or harpoon.

According to the invention the stretched sheet 1 presents wherever there are vertical pipes 6 located at a certain distance from the wall, a reinforcing plate 7 which is glued on the upper face of the sheet 1. This reinforcing plate which may, for example, be a plate of translucent polyvinyl chloride, 2mm thick, is previously cut out so as to follow the shape of the or each pipe 6 which must pass through the sheet. In the example illustrated in Fig. 1,
the reinforcing plate 7 which is generally rectangular in form, presents two parallel U-shaped cut-outs 8 which both open out in the same longitudinal side of the plate 7. The two vertical pipes 6 are engaged in these two cut-outs 8. The reinforcing plate 7 thus maintains the sheet 1 perfectly in its zone close to the vertical pipes 6. Of course, those parts of the edge 5 in the form of a harpoon located beneath the inlet orifices of the cut-outs 8, are eliminated, and similarly, those parts of the sheet 1 which correspond to the rest of the surface of the cut-outs 8 are also removed so as to allow the reinforcing plate 7 to be freely engaged and glued to the subjacent sheet 1, between the two pipes 6 and on either side thereof.

Fig. 3 illustrates the use of a reinforcing plate 7 located in a corner of the room where the false ceiling is mounted and where there are two vertical pipes 6. There again, the reinforcing plate 7 is cut out so as to present, opposite the two pipes 6, the two U-shaped cut-outs 8.

In the variant embodiment of the invention shown in Fig. 4, the stretched sheet 1 bears a reinforcing plate 9 of rectangular form, which is pierced with a hole 10 traversed by a vertical pipe 6, this hole 10 communicating with the edge 9a of the plate 9 which is located on the longitudinal element 2 side, via a slit 11 with contiguous lips. Of course, the subjacent sheet 1 is also split below the slit 11, in order to allow the sheet 1 and the reinforcing plate 9 glued thereto to be engaged around pipe 6, by opening the slit 11 and the corresponding slit of sheet 1 to a maximum, for this introduction.
CLAIMS
THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:—

1. False ceiling or false wall, constituted by a stretched sheet fastened, along its edges, to a support fixed to the wall or to the ceiling, wherein the sheet bears, at the passage of an element projecting with respect to the wall, such as a pipe, a reinforcing plate glued on its face turned towards the ceiling or wall, this reinforcing plate presenting a cut-out allowing passage of the projecting element through it and through the sheet.

2. The false ceiling or false wall according to claim 1, wherein the reinforcing plate is made of translucent polyvinyl chloride.

3. The false ceiling or false wall according to claim 1, wherein the reinforcing plate which is generally rectangular in shape, presents at least one cut-out in the form of a U which opens out in a longitudinal side of the plate.

4. The false ceiling or false wall according to claim 1, wherein the reinforcing plate, of rectangular shape, is pierced with a hole traversed by a projecting element, this hole communicating with an edge of the plate which is located on the longitudinal element side, via a slit with contiguous lips.

Dated this 11th day of March 1987.

FERNAND SCHERRER

Patent Attorneys for the Applicant
F.B. RICE & CO.