COMMONWEALTH OF AUSTRALIA
PATENTS ACT 1952

APPLICATION FOR A PATENT (CONVENTION OR NON)

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We CAMPISUSA S.p.A., of
Via Dante, 19,
20032 Ospitaletto Di Corno (Milano),
Italy

hereby apply for the grant of a Patent for an invention entitled

"STEEL WIRE STACKABLE UPSETTABLE-WALL CONTAINER"

which is described in the accompany complete specification.

The application is a Convention application and is based on the application(s) for patent or similar protection made in Italy on 14th September, 1977 under No. 22211 B/77 (Utility Model)

Our address for service is care of DAVIES & COLLISON, Patent Attorneys, of
1 Little Collins Street, Melbourne, in the State of Victoria, Commonwealth of Australia.

Dated this 26th day of July, 1978

(a) H. W. RIMINGTON
(a member of the firm of DAVIES & COLLISON)
for and on behalf of the applicant

(b) To: THE COMMISSIONER OF PATENTS
Davies & Collison, Melbourne and Canberra.
COMMONWEALTH OF AUSTRALIA
PATENTS ACT 1952-1973
DECLARATION IN SUPPORT OF CONVENTION OR NON–CONVENTION APPLICATION FOR A PATENT OR PATENT OF ADDITION

In support of the Application made for a patent of addition for an invention entitled: "STEEL WIRE STACKABLE UPSWILL CONTAINER"

I, GIAN PAOLO NESTI of CAMPISUSA S.p.A. of Via Dante, 19, 20052 Ospitaletto Di Cormano (Milano), Italy

do solemnly and sincerely declare as follows:—

1. (a) I am the applicant for the patent of addition
or (b) I am authorized by CAMPISUSA S.p.A.
the applicant for the patent of addition to make this declaration on its behalf.

2. (a) I am the actual inventor of the invention and the facts upon
or (b)

which the applicant
is entitled to make the application are as follows:—

I have assigned the said invention to the said applicant.

3. The basic application as defined by Section 141 of the Act was made
in Italy on the 14th September, 1977
by CAMPISUSA S.p.A.

4. The basic application referred to in paragraph 3 of this Declaration was
the first application made in a Convention country in respect of the invention the subject of the application.

Declared at Ospitaletto this 10th July, 1978

DAVIES & COLLISON, MELBOURNE and CANBERRA.
Claim

1. A wire stackable upsetable wall container comprising a base plane, preferably of rectangular shape, and four upsetable reticular structures, made of wire and acting as side walls and located at the sides of said base plane, characterized in that the front wall, located onto one of the main sides of the base plane, is laterally provided with two vertically movable plates which, as the container is assembled, are raised and engage corresponding hook elements located at the sides of the reticular structures joint-connected onto each small side of said base plane.
Name of Applicant: CAMPISUSA S.p.A.

Address of Applicant: Via Dante, 19
20032 Ospitaletto Di Cormano (Milano),
Italy

Actual Inventor(s): GIAN PAOLO NESTI

Address for Service: DAVIES & COLLISON, Patent Attorneys,
1 Little Collins Street, Melbourne, 3000.

Complete specification for the invention entitled:
"STEEL WIRE STACKABLE UPSETABLE-WALL CONTAINER"

The following statement is a full description of this invention,
including the best method of performing it known to us :-
The present invention relates to a wire stackable upsetable-wall container.

As it is known, the collapsible containers are normally provided with wall locking systems requiring the operation of handles, hooks and the like.

It is also known that the folding steps of the conventional wire upsetable wall containers always provide for the upsetting of the front wall onto the yet folded or collapsed other walls.

Accordingly, the mounting or assembling of said containers may cause difficulties to arise, due to the need of maintaining vertically oriented the walls while operating handles or locking hooks.

Therefore it is an object of the present invention to provide a wire upsetable-wall container which does not present the aforesaid assembling drawback.

According to the present invention, the aforesaid and other objects are achieved by a wire stackable container comprising a base plane, preferably of rectangular shape, provided, at each side thereof, with an upsetable wall, wherein the front wall, joint-connected on one of the main sides of the base plane, is laterally provided with two movable plates which, as the container is assembled, are moved and engaged with corresponding hook elements located at the sides of the reticular structures joint-connected at each side of the base plane.

In particular, the plates are movably fixed to the wires located at the front wall sides and are able to translate only in a vertical direction. The hook elements are inwardly curved and have an upper rounded corner thereby engaging
with and acting as a slanted plane for the corresponding plate which, as the container is assembled, is firstly upwardly moved from the slanted plane and then, after the passing of the hooking element, drops to the starting position thereby locking said hooking element.

In this manner, as the container is assembled, the front wall automatically engages the in advance raised side walls thereby providing the locking of said walls.

The base plane is preferably mounted on four feet located at said corners thereby allowing for a plurality of containers to be stacked onto one another.

In order to better understand the functional and constructional characteristics of the instant wire upsetable wall container, this latter will be thereinbelow described with reference to the figures of the accompanying drawings illustrating an exemplificative and not limitative preferred embodiment of the present invention, where:

Fig. 1 is a perspective view of the instant container and shows the upwardly upsetting step of the front wall; and

Fig. 2 and 3 illustrate the locking system between the front wall and the two side walls.

Referring particularly to the figures, the instant wire upsetable-walls container comprises a base rectangular plane (1) provided, at the four corners thereof, with corresponding feet (2).

To one of the main sides of the base plane (1) a wire structure (3) is joint-connected, said structure acting as the rear wall of the container.

Two further structures (4) and (4') of substantially reticular shape, forming the side walls of the container,
are hooked by means of hook elements to the side edges of the rear wall (3).

To the other main side of the base plane (1) a fourth wire structure (5) is joint-connected acting as the front wall of the container.

At the upper portion of the front structure (5), and at a lateral position, two plates (6) and (6') are applied to the edges whereof, at three sides, are so folded back as to engage the steel wires forming the structure.

In particular the edges of the plates (6) and (6') are laterally connected to the wire (7) and swingably connected to the parallel horizontal wires (8) and (8') thereby being able of translating only in a vertical direction.

At the side of each side wall (4) and (4') facing the structure (5) it is located, at a level related to the level of said plates, a respective hook element (9) and (9') inwardly bent and having a rounded upper corner.

Said rounded corner acts, substantially, as a slanted plane for each plate (6) and (6') thereby raising each said plate as the front wall (5) is upwardly upset.

The plates (6) and (6'), after the passing of the rounded corner, drop again downwardly, due to the gravity effect, thereby engaging the upper fin (10) on the outer face of the related hook elements (9) and (9').

On the other hand the dropping of the front wall (5) is obtained by upwardly pushing the plate (6) and (6') in such a way as to disengage the fin (10) from the holding hook (9) and (9').

From the above description and the examination of the several figures of the accompanying drawings, the functionality
and practicity of use characterizing the upsetable wall container according to the present invention are self-evident.

Obviously in the carrying out of the instant wire upsetable wall container, several changes and modifications may be brought about within the spirit of the invention and without departing from the scope thereof.
THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A wire stackable upsetable wall container comprising a base plane, preferably of rectangular shape, and four upsetable reticular structures, made of wire and acting as side walls and located at the sides of said base plane, characterized in that the front wall, located onto one of the main sides of the base plane, is laterally provided with two vertically movable plates which, as the container is assembled, are raised and engage corresponding hook elements located at the sides of the reticular structures joint-connected onto each small side of said base plane.

2. A stackable container according to claim 1, characterized in that the edges of the three sides of each plate are bent or folded back and engage the wires of the front wall reticular structure.

3. A stackable container according to claim 2, characterized in that the upper and lower edges of each plate are swingably connected to two parallel horizontal wires of the front wall reticular structure.

4. A stackable container according to any preceding claims, characterized in that each hook element is inwardly bent and has the upper corner thereof rounded in such a way as to act as a slanted plane for the corresponding plate.

5. A stackable container according to any preceding claims, characterized in that, in opening conditions,
the upper fin of each plate is anchored onto the outer face of the hook element.

6. A stackable container according to any preceding claims, characterized in that the side reticular structures located onto each small side of the base plane are hooked to the rear reticular structure by means of hook elements.

7. A stackable container as claimed in any preceding claim wherein the wires comprise steel wires.

8. A wire stackable upsetable-wall container substantially as hereinbefore described with reference to the accompanying drawings.

9. The steps or features disclosed herein or any combination thereof.

DATED this 31 day of July 1978.

DAVIES & COLLISON
Patent Attorneys for
CAMPISUSA S.p.A.