CLAIMS

1. A sound insulating panel, suitable for use as a deflecting surface in jet blast deflectors, characterized by comprising:

- a C-shaped sheet, with a central portion forming the front surface of the sound insulating panel, from which two lateral portions are perpendicularly projected; each of said lateral projections comprising an inner brim at an opposite end; the central portion having a perforated area;
- A capsule comprised by a rear sheet in which a sound insulator material is installed; the capsule being designed to fit inside the C-shaped sheet, in the interior space defined by an inner surface of the central portion and by the lateral projections;

wherein,

- the capsule has a smaller length than the length of the central portion, being centrally placed inside the C-shaped sheet in such a way to be aligned with the perforated area of the central portion and to form two hollow cavities, of the same dimension, at both ends of the C-shaped sheet; said cavities being adapted to engage with rabbet means provided in a jet blast deflector fence, for attaching the panel to said jet blast deflector fence in a detachable manner; and
- the capsule being adapted to be inserted and removed from the inside of the C-shaped sheet through a locking mechanism provided by the inner brims of the lateral projections.

2. A sound insulating panel according to claim 1, wherein the C-shaped sheet is made of galvanized steel or aluminium.

3. A sound insulating panel according to any of the previous claims, wherein at least 30% of the area of the C-shaped sheet's central portion is perforated.

4. A sound insulating panel according to any of the previous claims, wherein the capsule's sound insulator material is inert wool made from polyester, glass or processed rock.

5. A sound insulating panel according to any of the previous claims, wherein capsule is attached and positioned inside of the C-shaped sheet by rivets.

6. A jet blast deflector fence comprising:

- a plurality of sound insulating panels of claims 1 to 5;
- a deflector framework comprised of two structural members; a first member constituted of a plurality of vertical posts fixed to a base at its lower end, and a second member constituted of a plurality of rail channels; an upper end of a rail channel being fixed to an upper end of a vertical post, the rail channel projecting towards the base;

wherein,

- each rail channel comprises a plurality of rabbets; each rabbet adapted to fit into an hallow cavity of a sound insulating panel;
- the distance between each two rail channels is such that it allows the insertion of a sound insulating panel between them through a sliding movement.

7. The jet blast deflector fence according to claim 6, wherein the engagement between a rabbet and a hollow cavity of a sound insulating panel is complemented with a fixation mechanism.

8. The jet blast deflector fence according to claim 7, wherein the fixation mechanism is a riveted or bolted connection.

9. The jet blast deflector fence according to any of the claims 6 to 8, wherein the rail channels have an equal number of rabbets; the rabbets of each rail

channel being equally spaced between them and aligned horizontally in relation to the rabbets of adjacent rail channels.

10. The jet blast deflector fence according to any of the previous claims 6 to 9, wherein the rail channels have a concave-curved shape.

11. The jet blast deflector fence according to any of the previous claims 6 to 9, wherein the rail channels have a linear shape.

12. The jet blast deflector fence according to any of the previous claims 6 to 11, wherein a lower end of the rail channels is fixed to the base.

13. A Ground run-up enclosure characterized by comprising a jet blast deflector fence of claims 6 to 12.

14. Use of the sound insulating panel of claims 1 to 5 in a jet blast deflector fence.

15. Use of the jet blast deflector fence of claims 6 to 12 in a Ground run-up enclosure.