CLAIMS

1. A frame element to package flat items (P), ~~characterized in that it comprises~~ comprising at least one first profile (1) and a second profile (2) connected, longitudinally and in a same piece, by a flexible hinge (3) and each including an axial groove (10, 20) for receiving the item wherein said groove is ~~that is~~ laterally delimited by two series of notches (11, 12, 21, 22) configured and positioned such that two identical elements are superimposed inversely and head-to-tail by interlocking of the first and second profiles, the respective notches (12a, 22a) of said profiles, adjacent to said hinge, being provided with contact stops ensuring blocking of the two profiles (1, 2) in a relative angular position where their respective grooves (10, 20) are open across from the edge of the item to be protected.

2. The frame element according to claim 1, characterized in that the~~said~~ notches (~~11, 12, 21, 22~~) of one of the series of the first profile (1) are made up of an inner projection (121) with a straight wall outwardly extended by a transverse shoulder (122). ~~are configured and positioned such that two identical elements are superimposed inversely and head-to-tail by interlocking of the first and second profiles.~~

3. The frame element according to one of the preceding claims, ~~claim 1 or 2,~~ characterized in that the notches (~~1~~22) of one of the series of the second profile (2) are separated by outer flat portions (222) inwardly extended by undercuts (221). ~~first profile (1) are made up of an inner projection (121) with a straight wall outwardly extended by a transverse shoulder (122).~~

4. The frame element according to one of the preceding claims, characterized in that the notches (~~2~~12) of at least one of the series of the first profile (1) are provided with underlying shock-damping cells (14). ~~one of the series of the second profile (2) are separated by outer flat portions (222) inwardly extended by undercuts (221).~~

5. The frame element according to one of the preceding claims, characterized in that the second profile (2) is provided with a single underlying longitudinal cavity (24) to damp

shocks. ~~notches (12) of at least one of the series of the first profile (1) are provided with underlying shock-damping cells (14).~~

6. The frame element according to one of the preceding claims, characterized in that it comprises more than two articulated profiles.~~the second profile (2) is provided with a single underlying longitudinal cavity (24) to damp shocks.~~

7. The frame element according to one of the preceding claims, characterized in that said stops are formed by inclined faces (13, 23) extending at the inner end of the first and second profiles, on either side of the hinge (3). ~~it comprises more than two articulated profiles.~~

8. The frame element according to one of the preceding claims, characterized in that it comprises means for locking the contact stops. ~~said stops are formed by inclined faces (13, 23) extending at the inner end of the first and second profiles, on either side of the hinge (3).~~

9. The frame element according to claims 4 and 9, ~~one of the preceding claims,~~ characterized in that the locking members are preferably made up of a lug supported by the second profile and whereof the face (23a) turned toward the first profile (1) bears against the outer transverse shoulder (122a) of the immediately adjacent notch (12a) while the corresponding projection (121) is housed in the opposite undercut (221).~~it comprises means for locking the contact stops.~~

10. The frame element according ~~to~~ to one of the preceding claims~~claims 4 and 9~~, characterized in that said notches (11, 12, 21, 22) are made in the form of triangular teeth. ~~the locking members are preferably made up of a lug supported by the second profile and whereof the face (23a) turned toward the first profile (1) bears against the outer transverse shoulder (122a) of the immediately adjacent notch (12a) while the corresponding projection (121) is housed in the opposite undercut (221).~~

11. The frame element according to one of the preceding claims, characterized in that said flexible hinge (3) is designed so as to allow folding of the two profiles (1, 2)at a 180° angle relative to one another, at least toward the back.~~notches (11, 12, 21, 22) are made in the form of triangular teeth.~~

12. The frame element according to one of the preceding claims, characterized in that the profiles of the inner faces of the two profiles (1,2) are complementary to allow them to interlock or be pressed after folding 180° toward the back. ~~said flexible hinge (3) is designed so as to allow folding of the two profiles (1,2) at a 180° angle relative to one another, at least toward the back.~~

~~13. The frame element according to one of the preceding claims, characterized in that the profiles of the inner faces of the two profiles (1,2) are complementary to allow them to interlock or be pressed after folding 180° toward the back.~~

~~14.~~13. A wrapper made by associating one or more frame elements according to any one of the preceding claims for the packaging of flat items (P). ~~as previously described for the packaging of flat items (P).~~

CLAIMS

1. A frame element to package flat items (P), characterized in that it comprises at least one first profile (1) and a second profile (2) connected, longitudinally and in a same piece, by a flexible hinge (3) and each including an axial groove (10, 20) for receiving the item that is laterally delimited by two series of notches (11, 12, 21, 22); the respective notches (12a, 22a) of said profiles, adjacent to said hinge, being provided with contact stops ensuring blocking of the two profiles (1, 2) in a relative angular position where their respective grooves (10, 20) are open across from the edge of the item to be protected.

2. The frame element according to claim 1, characterized in that said notches (11, 12, 21, 22) are configured and positioned such that two identical elements are superimposed inversely and head-to-tail by interlocking of the first and second profiles.

3. The frame element according to claim 1 or 2, characterized in that the notches (12) of one of the series of the first profile (1) are made up of an inner projection (121) with a straight wall outwardly extended by a transverse shoulder (122).

4. The frame element according to one of the preceding claims, characterized in that the notches (22) of one of the series of the second profile (2) are separated by outer flat portions (222) inwardly extended by undercuts (221).

5. The frame element according to one of the preceding claims, characterized in that the notches (12) of at least one of the series of the first profile (1) are provided with underlying shock-damping cells (14).

6. The frame element according to one of the preceding claims, characterized in that the second profile (2) is provided with a single underlying longitudinal cavity (24) to damp shocks.

7. The frame element according to one of the preceding claims, characterized in that it comprises more than two articulated profiles.

8. The frame element according to one of the preceding claims, characterized in that said stops are formed by inclined faces (13, 23) extending at the inner end of the first and second profiles, on either side of the hinge (3).

9. The frame element according to one of the preceding claims, characterized in that it comprises means for locking the contact stops.

10. The frame element according to claims 4 and 9, characterized in that the locking members are preferably made up of a lug supported by the second profile and whereof the face (23a) turned toward the first profile (1) bears against the outer transverse shoulder (122a) of the immediately adjacent notch (12a) while the corresponding projection (121) is housed in the opposite undercut (221).

11. The frame element according to one of the preceding claims, characterized in that said notches (11, 12, 21, 22) are made in the form of triangular teeth.

12. The frame element according to one of the preceding claims, characterized in that said flexible hinge (3) is designed so as to allow folding of the two profiles (1, 2) at a 180° angle relative to one another, at least toward the back.

13. The frame element according to one of the preceding claims, characterized in that the profiles of the inner faces of the two profiles (1, 2) are complementary to allow them to interlock or be pressed after folding 180° toward the back.

14. A wrapper made by associating one or more frame elements as previously described for the packaging of flat items (P).

CLAIMS

1. A frame element to package flat items (P), comprising at least one first profile (1) and a second profile (2) connected, longitudinally and in a same piece, by a flexible hinge (3) and each including an axial groove (10, 20) for receiving the item wherein said groove is laterally delimited by two series of notches (11, 12, 21, 22) configured and positioned such that two identical elements are superimposed inversely and head-to-tail by interlocking of the first and second profiles, the respective notches (12a, 22a) of said profiles, adjacent to said hinge, being provided with contact stops ensuring blocking of the two profiles (1, 2) in a relative angular position where their respective grooves (10, 20) are open across from the edge of the item to be protected.

2. The frame element according to claim 1, characterized in that the notches (12) of one of the series of the first profile (1) are made up of an inner projection (121) with a straight wall outwardly extended by a transverse shoulder (122).

3. The frame element according to one of the preceding claims, characterized in that the notches (22) of one of the series of the second profile (2) are separated by outer flat portions (222) inwardly extended by undercuts (221).

4. The frame element according to one of the preceding claims, characterized in that the notches (12) of at least one of the series of the first profile (1) are provided with underlying shock-damping cells (14).

5. The frame element according to one of the preceding claims, characterized in that the second profile (2) is provided with a single underlying longitudinal cavity (24) to damp shocks.

6. The frame element according to one of the preceding claims, characterized in that it comprises more than two articulated profiles.

7. The frame element according to one of the preceding claims, characterized in that said stops are formed by inclined faces (13, 23) extending at the inner end of the first and second profiles, on either side of the hinge (3).

8. The frame element according to one of the preceding claims, characterized in that it comprises means for locking the contact stops.

9. The frame element according to claims 4 and 9, characterized in that the locking members are preferably made up of a lug supported by the second profile and whereof the face (23a) turned toward the first profile (1) bears against the outer transverse shoulder (122a) of the immediately adjacent notch (12a) while the corresponding projection (121) is housed in the opposite undercut (221).

10. The frame element according to one of the preceding claims, characterized in that said notches (11, 12, 21, 22) are made in the form of triangular teeth.

11. The frame element according to one of the preceding claims, characterized in that said flexible hinge (3) is designed so as to allow folding of the two profiles (1, 2) at a 180° angle relative to one another, at least toward the back.

12. The frame element according to one of the preceding claims, characterized in that the profiles of the inner faces of the two profiles (1, 2) are complementary to allow them to interlock or be pressed after folding 180° toward the back.

13. A wrapper made by associating one or more frame elements according to any one of the preceding claims for the packaging of flat items (P).