

LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES

CPSA 6 (b)(1) Cleared
6/30/97
No. (1/10) for
Products
Excess
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Comments

SUBJECT: Meeting of ASTM Subcommittee F15.30 for Bunk Beds

DATE OF MEETING: September 27, 1995 ✓ **PLACE:** Holiday Inn
Four Seasons,
Greensboro, NC

LOG ENTRY SOURCE: John Preston, ES *JP*

COMMISSION ATTENDEES: John Preston, ES

NON-COMMISSION ATTENDEES:

- | | |
|------------------------------------|--------------------------------|
| Joe Ziolkowski, AFMA | Joe Gerard, AFMA |
| David Wall, Bassett Furniture | Bob Smith Stanley Furniture |
| Herman Haley, Stanley Furniture | Carl Bundy, Lexington Furn. |
| Danny Hodges, Bassett Furniture | Trip Hutchinson, Lexington |
| Billy Chitwood, Bassett Furn. | Nancy Nelson, AIG Designs |
| Bill Suvak, Childcraft | Mark James, Lea Industries |
| David Burkhart, Thomasville Furn. | Michael White, Broyhill |
| André Dallaire, Amisco Industries | Walter Harder, Pallister Furn. |
| Geoff Jackson, Vermont Precision | Lynn Brandon, This End Up |
| Bobby Puett, Diversified Testing | Michael Krygier, D.T.L. |
| Karon Matkins, Diversified Testing | Bob Dorr, Fashion Bed Group |
| Sebastian Izzo, Dorel Industries | Jed Johnsand, Cargo Furniture |
| David MacIntosh, Powell | |

SUMMARY OF MEETING:

Chairman Ziolkowski opened the meeting by explaining the ASTM ballot procedures. He said he had contacted ASTM and learned that a minimum of six members constituted a quorum. He noted that there were more than six members in attendance at this meeting. He also noted that only those who were members of ASTM could vote and he explained the ASTM F15 Committee requirement for a balance between producers and non-producers.

The first item of business was discussion on a revision to section 6.1 of the bunk bed standard to require identification of either the manufacturer, distributor or seller on the product. John Preston distributed language for this requirement that had been drafted by CPSC staff. Preston noted that it was essentially the same language used in several other ASTM standards for juvenile products. After discussion, the following language was unanimously approved:

"6.1 There shall be a permanent label or marking on each bunk bed set that identifies the name, city and state of either the manufacturer, distributor or seller and the month and year of manufacture."

The chairman stated that a special task group had developed a new warning label that included information on the size of the intended mattress. Copies of two warning labels were handed out together with language for the warning label requirements at

Section 6 of the standard. Bill Suvak, who chaired the task group, discussed the proposed changes to the warning label requirements.

A new paragraph will be added as 6.2.3 to require warnings on the shipping carton. After discussion, it was agreed that this paragraph will state:

6.2.3 Warnings, including applicable mattress dimensional specifications, shall appear on the carton containing the bed ends on at least one face and one end. The letters shall not be less than 3/16 in. (5 mm) high.

Section 6.2 will be changed to state "Warnings" instead of "Warning Label."

Paragraph 6.2.1 will be replaced by two new paragraphs 6.2.1.1 and 6.2.1.2 that will state the following:

6.2.1.1 If the foundation is not an integral part of the bed structure either the warning label shown in Fig. 3A-1 or 3A-2 shall be permanently attached to a bed end structure of the upper bunk in a location that cannot be covered by the bedding but that may be covered by the placement of a pillow.

6.2.1.2 If the foundation is an integral part of the bed structure either the warning label shown in Fig. 4A-1 or 4A-2 shall be permanently attached to a bed end structure of the upper bunk in a location that cannot be covered by the bedding but that may be covered by the placement of a pillow.

There was discussion regarding the proposed new warning labels and some changes were made to the task group's proposals. These included reordering the individual warning messages in accordance with their importance as evidenced by the CPSC staff proposed warning label discussed at the previous subcommittee meeting in July. Agreement was reached on the labels shown in Attachments 1 and 2 to this log.

A final task group proposal was to change paragraph 7.6.1 in the instructional literature section of the standard to state:

7.6.1 Follow the information on the warnings appearing on the upper bunk end structure and on the carton. Do not remove warning label from bed.

It was noted that the mattress size information on the proposed new warning labels only addresses twin-size mattresses. A spokesman for the task group stated that they were not aware of any bunk beds currently being marketed that had upper bunk mattresses larger than twin-size. A manufacturer stated that his company offered a loft bed sized to accommodate a full-size

mattress. Since loft beds are within the scope of the bunk bed standard he suggested that the mattress size information should be changed to state the width of whatever size mattress was intended for the upper bunk. It was agreed that a footnote will be added to note that, if the size of the upper bunk mattress is other than twin-size, the size that is stated in the International Sleep Products Association (ISPA) standard for bedding products and components should be used on the warning label. The ISPA standard will also be added to Referenced Documents at Section 2. of the bunk bed standard.

All of the changes to the labeling requirements in Section 6. of the bunk bed standard were approved unanimously.

Discussion turned to entrapment requirements for end structures in the lower bunk. John Preston was asked to provide a proposal for such requirements. Preston responded by stating that he had intended to propose that the requirements in a recently approved ASTM provisional standard for toddler beds addressing entrapment in end structures should be adopted for end structures in the lower bunk of bunk beds. However, he said that upon reviewing the toddler bed requirements, he was not satisfied that these were adequate. A flip chart was used to illustrate to attendees the toddler bed entrapment requirements which follow:

There shall be no opening above the mattress support system in the end structures that will permit passage of the wedge block shown in Fig. 1 when tested in accordance with section 7.4 unless it also permits passage of a 9 inch (228 mm) dia. rigid sphere.

Preston noted that the test in 7.4 of the toddler bed standard requires that it be conducted without a mattress on the bed. He said that there could be openings in toddler bed end structures that would permit passage of a 9 inch diameter sphere (and comply with the entrapment requirement) but could, nevertheless, present a head entrapment hazard when a mattress is placed on the bed. He described a bed in which an end structure could have a horizontal bar greater than 9 inches above the mattress support system and, therefore, comply with the entrapment requirement. However, he said that if such a bed was equipped with a 5 inch thick mattress, the height of such an opening would be reduced to 4 inches which would present a hazard of head entrapment.

Preston said he was going to draft a proposed revision to the ASTM provisional standard for toddler beds and, with appropriate word changes, he stated he would forward it to the bunk bed subcommittee chairman for consideration for inclusion in the ASTM F1427 bunk bed standard.

DISTRIBUTION

OS(2), ES, EXHR, File

Fig. 3A-1

 WARNING

To help prevent serious or fatal injuries from entrapment or falls:

- Never allow a child under 6 years on upper bunk.
- Use only mattress which is 74"-75" long and 37 1/2"-38 1/2" wide on upper bunk.
- Ensure thickness of mattress and foundation combined does not exceed _____" and mattress is at least 5" below upper edge of guardrails.
- Use guardrails on both sides of upper bunk.
- Prohibit horseplay on or under bed(s).
- Prohibit more than one person on upper bunk.
- Use ladder for entering and leaving upper bunk.

DO NOT REMOVE THIS LABEL

Fig. 3A-1A

 WARNING

To help prevent serious or fatal injuries from entrapment or falls:

- Never allow a child under 6 years on upper bunk.
- Use only mattress which is 74"-75" long and 37 1/2"-38 1/2" wide on upper bunk.
- Ensure thickness of mattress does not exceed _____" and mattress is at least 5" below upper edge of guardrails.
- Use guardrails on both sides of upper bunk.
- Prohibit horseplay on or under bed(s).
- Prohibit more than one person on upper bunk.
- Use ladder for entering and leaving upper bunk.

DO NOT REMOVE THIS LABEL

Fig. 3A-2

 WARNING

To help prevent serious or fatal injuries from entrapment or falls:

- Never allow a child under 6 years on upper bunk.
- Use only mattress meeting the following specifications:

<u>Bed Type</u>	<u>Length</u>	<u>Width</u>
Standard Length	74"-75"	37 1/2"-38 1/2"
Extra Long	79"-80"	37 1/2"-38 1/2"

- Ensure thickness of mattress and foundation combined does not exceed _____" and mattress is at least 5" below upper edge of guardrails.
- Use guardrails on both sides of upper bunk.
- Prohibit horseplay on or under bed(s).
- Prohibit more than one person on upper bunk.
- Use ladder for entering and leaving upper bunk.

DO NOT REMOVE THIS LABEL

Fig. 3A-2A

 WARNING

To help prevent serious or fatal injuries from entrapment or falls:

- Never allow a child under 6 years on upper bunk.
- Use only mattress meeting the following specifications:

<u>Bed Type</u>	<u>Length</u>	<u>Width</u>
Standard Length	74"-75"	37 1/2"-38 1/2"
Extra Long	79"-80"	37 1/2"-38 1/2"

- Ensure thickness of mattress does not exceed _____" and mattress is at least 5" below upper edge of guardrails.
- Use guardrails on both sides of upper bunk.
- Prohibit horseplay on or under bed(s).
- Prohibit more than one person on upper bunk.
- Use ladder for entering and leaving upper bunk.

DO NOT REMOVE THIS LABEL