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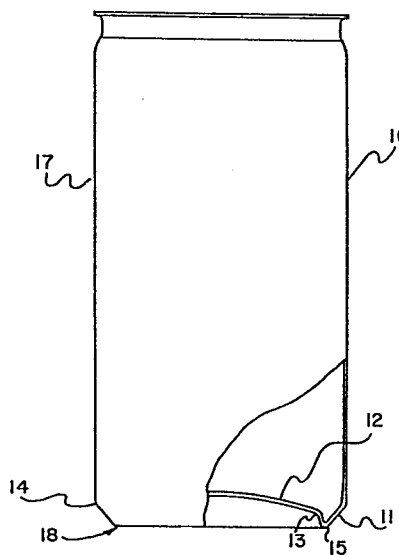
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54 **Lightweight metal container.**

57 A lightweight metallic container is disclosed and claimed having a side wall (10) and an effective rigid bottom wall integral therewith. The side wall and bottom wall merge to define a first inclined face (14) the inclined face (14) forming an angle (F) of between about 35° and 45° with respect to the axis of said container, a tapered member is provided and is integrally formed at the juncture of the side wall and inclined face, the member having a taper angle in a given range and a given wall taper thickness, an annular surface (15) integrally connected to the first inclined wall for supporting the container, a second inclined face (13) integrally connected to the annular surface (15) and a curved panel integrally connected with the second inclined face. The curved panel is so formed that it has a radius of curvature (J) greater than the diameter (H) of the annular surface. The height (P) of the second inclined face is less than half the height (N) of the first inclined face. The metallic container as so defined has an improved bottom configuration that provides for substantial column strength as well as internal pressure stability. One important feature of the subject bottom configuration is the reduced amount of metal used to manufacture the container.





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.?)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<u>US - A - 3 693 828 (CROWN CORP & SEAL COMPANY)</u> * column 2, lines 29-68; column 3, lines 1-15, 33-50, 66-68; column 4, lines 1-58; column 5, lines 1-68; column 6, lines 1-30 figures 1,2 *	1,2,4, 5,6,9, 12,13, 14,19, 21,22, 24,26, 27	B 65 D 1/26
A	<u>US - A - 3 730 383 (ALUMINUM COMP. OF AMERICA)</u>	1	TECHNICAL FIELDS SEARCHED (Int.Cl.?) B 65 D
A	<u>US - A - 3 942 673 (NATIONAL CAN CORP.)</u>	1	
A	<u>US - A - 3 998 174 (NATIONAL STEEL CORP.)</u>	1	
CATEGORY OF CITED DOCUMENTS X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons			
<input checked="" type="checkbox"/> The present search report has been drawn up for all claims			&: member of the same patent family, corresponding document
Place of search	Date of completion of the search	Examiner	
The Hague	17-07-1979	BAERT	