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(12) United States Design Patent

Dunnahoe

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(54) **MULTI-SIDED CUTTING CHIP**

(71) Applicant: **Hard Metal Advantage, L.L.C.**, New Iberia, LA (US)

(72) Inventor: **Duane C. Dunnahoe**, New Iberia, LA (US)

(**) Term: **14 Years**

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(51) **LOC (10) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/139**

(58) **Field of Classification Search**
USPC D8/70, 71; D15/131, 138, 139, 140; 407/35, 42, 112–119
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2010/0329800	A1*	12/2010	Edler et al.	407/114
2013/0330136	A1*	12/2013	Hecht	407/113
2013/0336733	A1*	12/2013	Hecht et al.	407/56

* cited by examiner

Primary Examiner — Patricia Palasik
(74) *Attorney, Agent, or Firm* — Ted M. Anthony

(57) **CLAIM**

The ornamental design for a multi-sided cutting chip, as shown and described.

DESCRIPTION

FIG. **1** is a side perspective view of a multi-sided cutting chip of the present invention.

FIG. **2** is a front elevation view of a multi-sided cutting chip depicted in FIG. **1**.

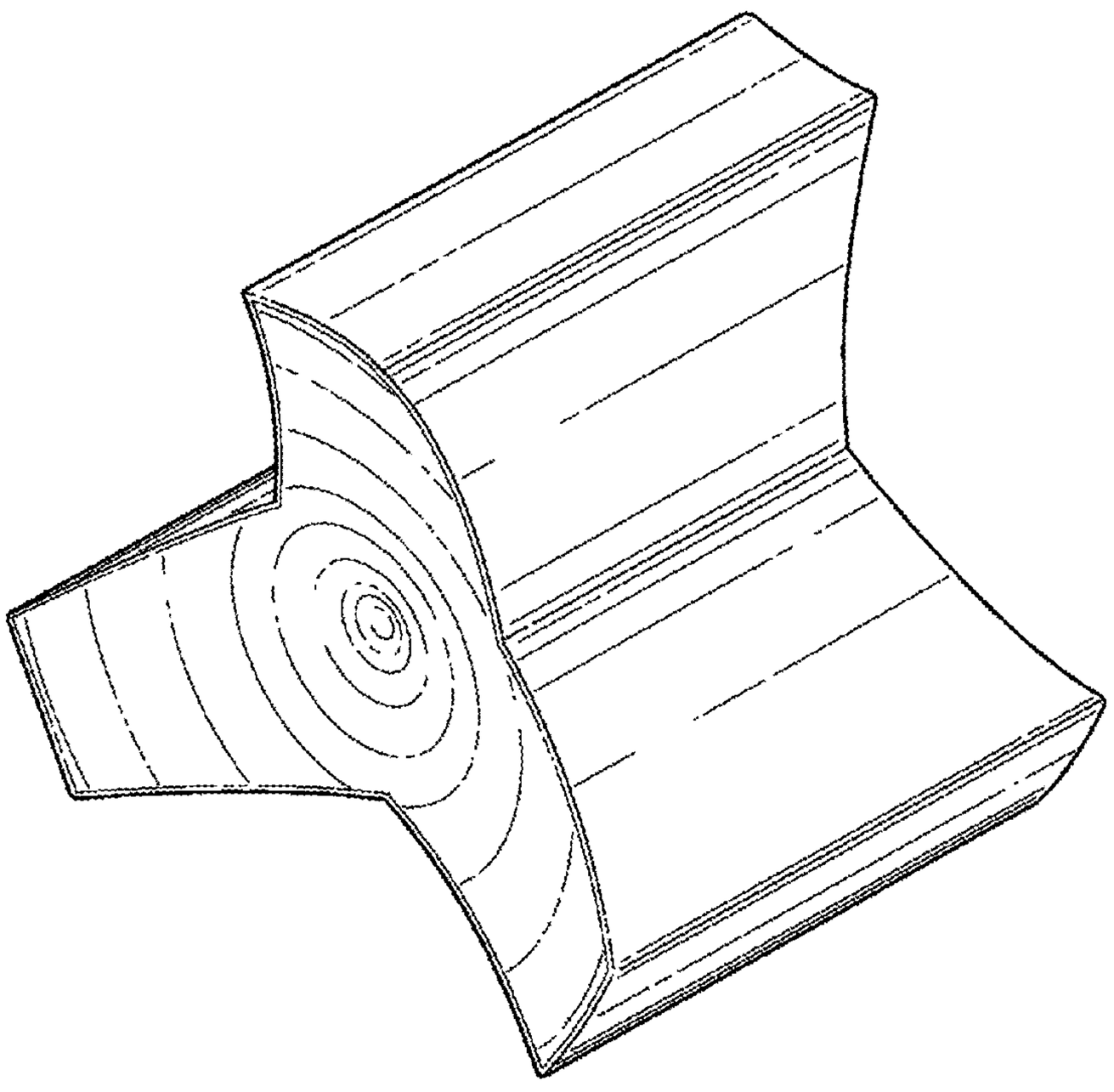
FIG. **3** is a side elevation view of a multi-sided cutting chip depicted in FIGS. **1** through **2**.

FIG. **4** is an alternate side elevation view of a multi-sided cutting chip depicted in FIGS. **1** through **3**; and,

FIG. **5** is an alternate side elevation view of a multi-sided cutting chip depicted in FIGS. **1** through **4**, rotated about a substantially vertical axis from the view depicted in FIG. **4**.

The present invention is a multi-sided cutting chip (including, without limitation, a carbide chip) used on down-hole tools including, without limitation, mills.

1 Claim, 3 Drawing Sheets



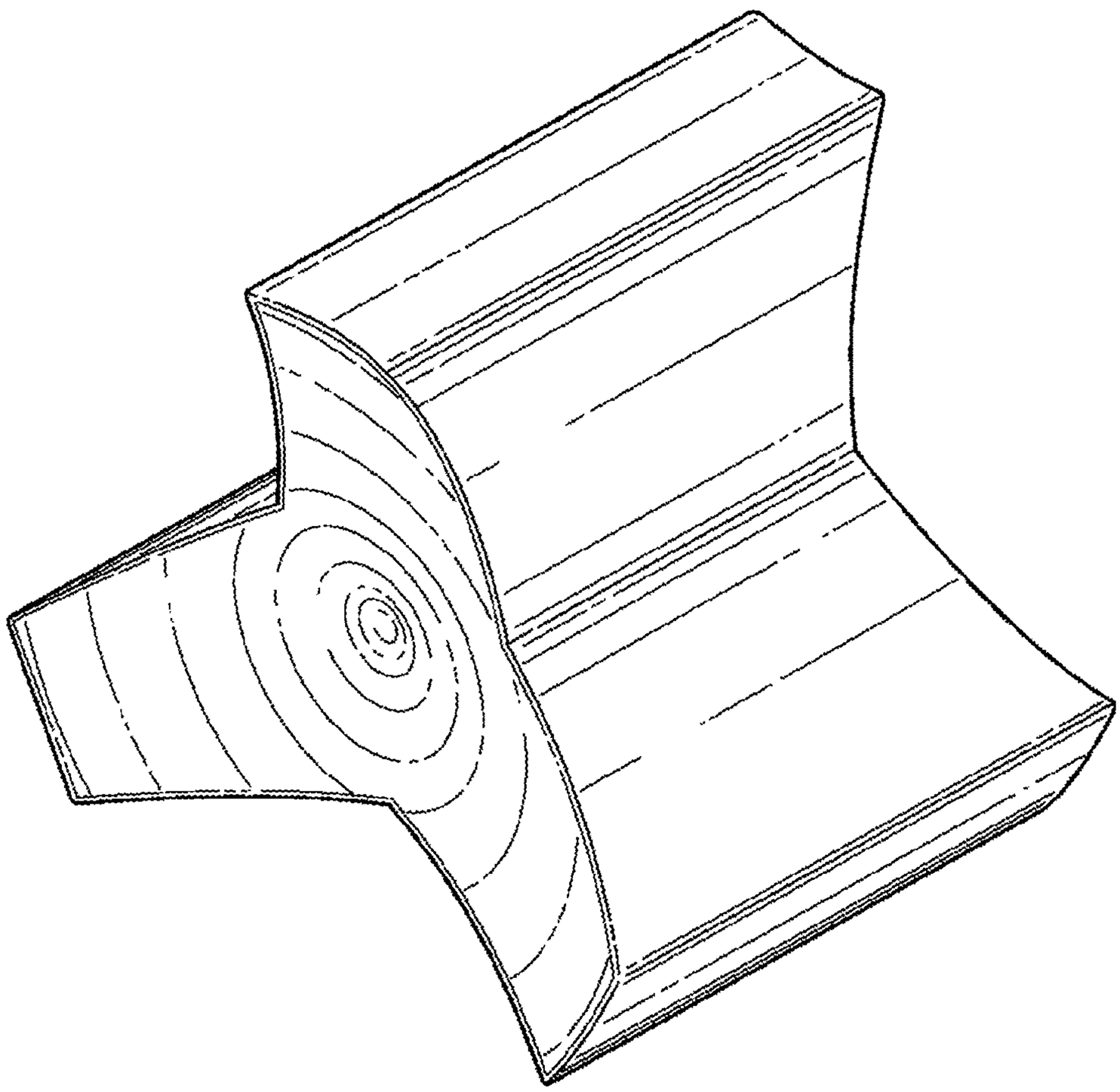


FIG. 1

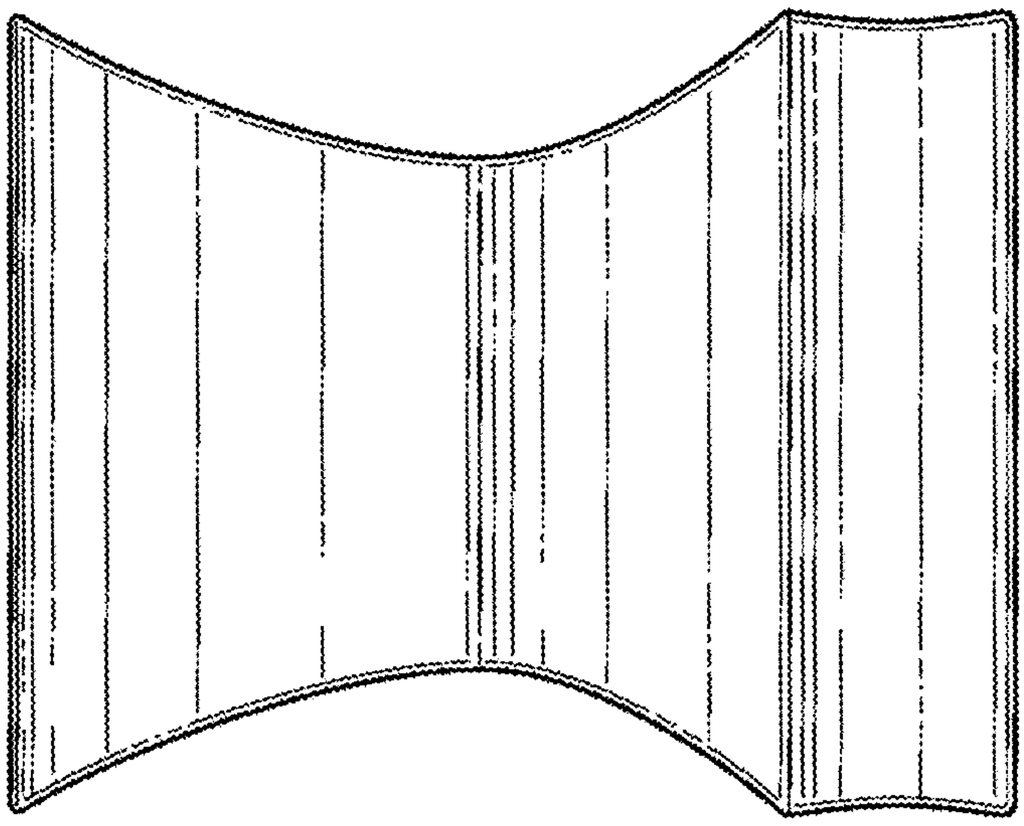


FIG. 3

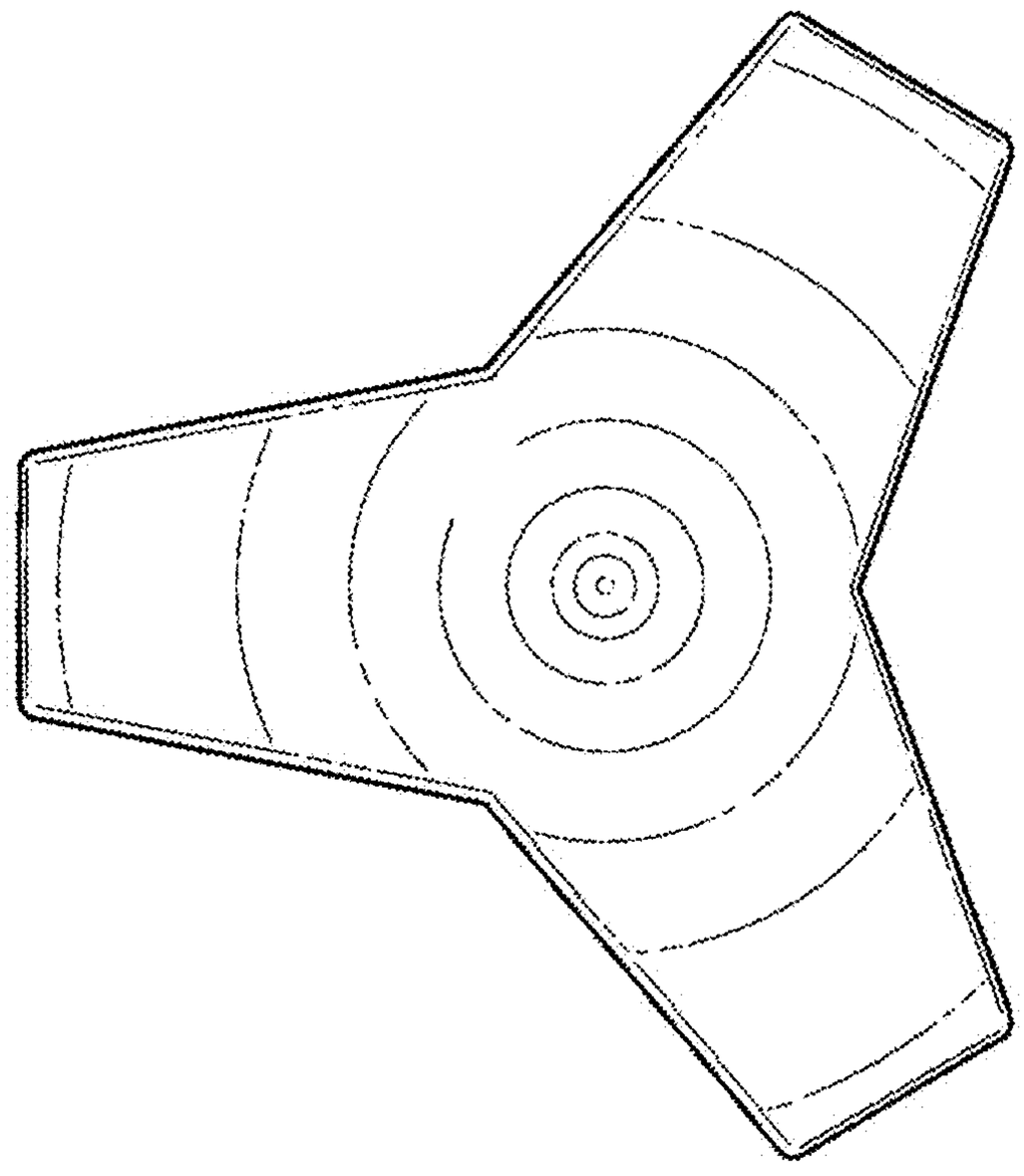


FIG. 2

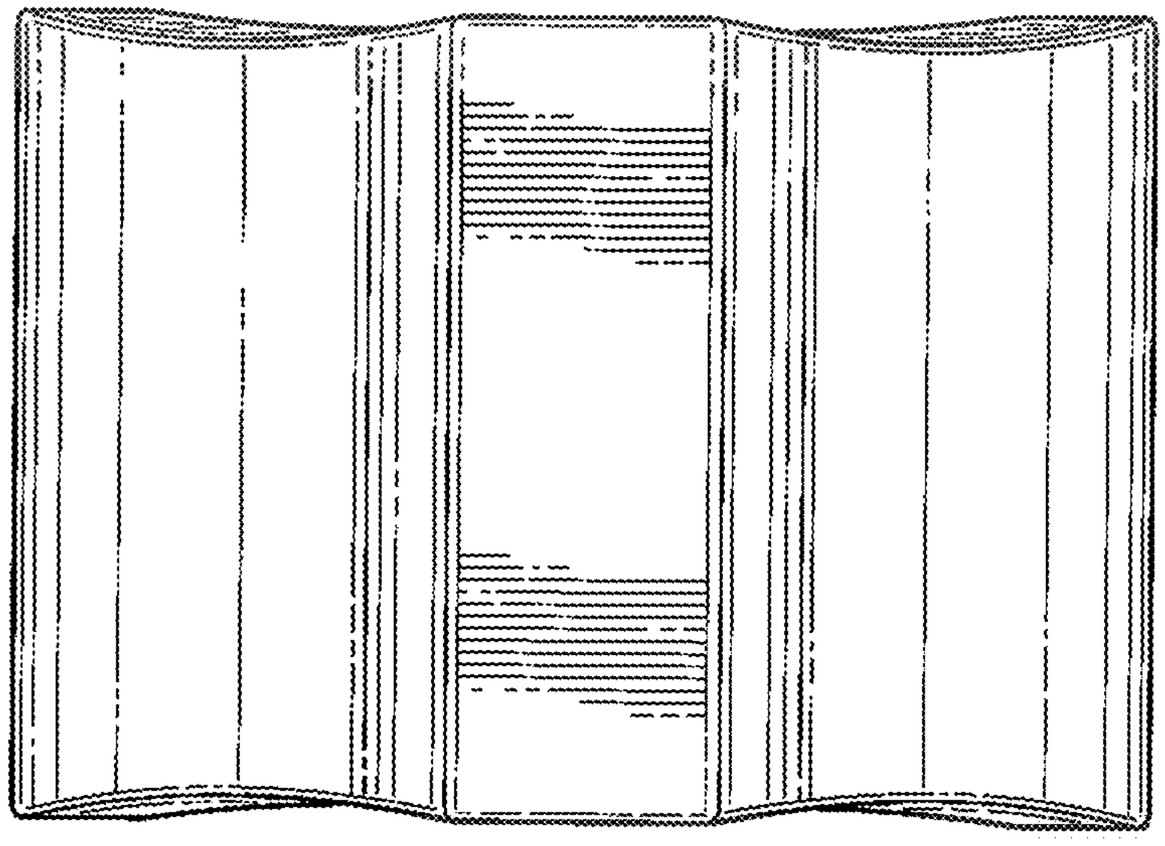


FIG. 4

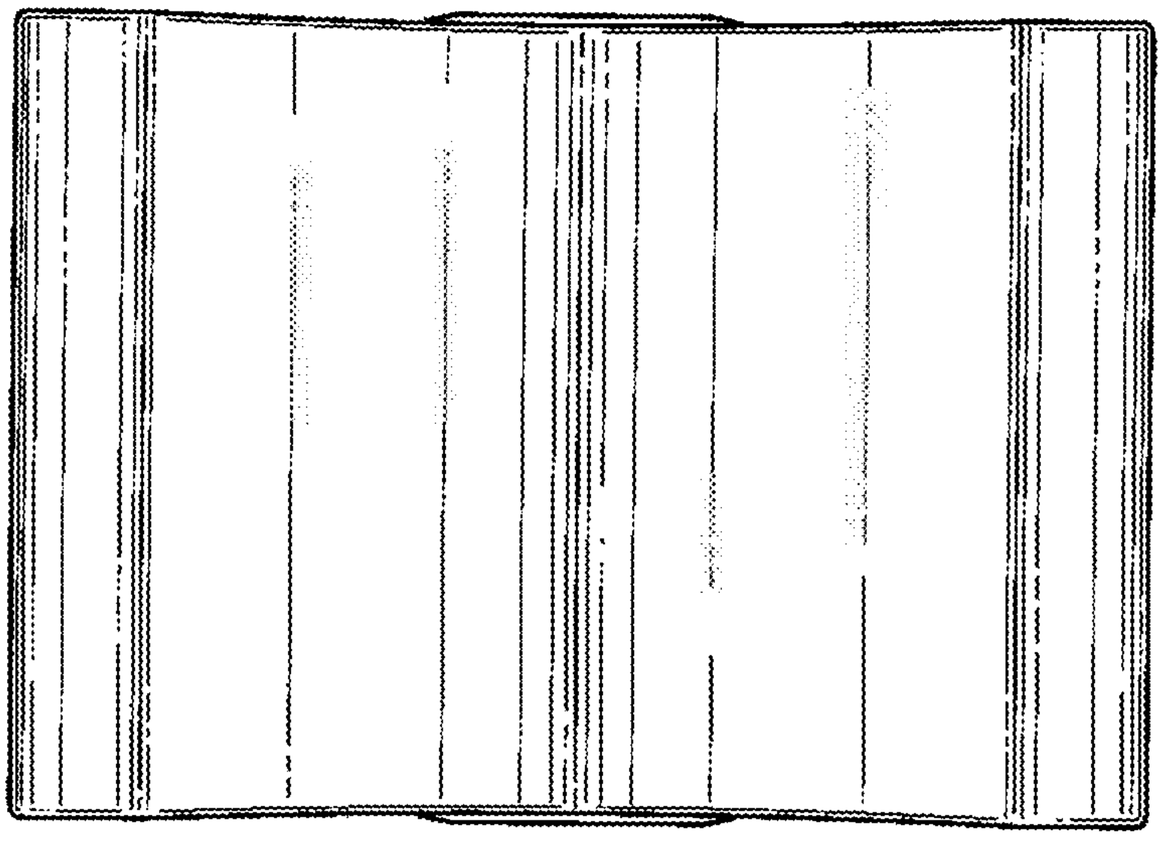


FIG. 5