



US00D481417S

(12) **United States Design Patent**  
**Toda et al.**

(10) **Patent No.:** **US D481,417 S**

(45) **Date of Patent:** **\*\* Oct. 28, 2003**

(54) **BINDING APPARATUS FOR BINDERS**

(75) Inventors: **Naotoshi Toda**, Tokyo (JP); **Tomohiro Yatabe**, Tokyo (JP)

(73) Assignee: **King Jim Co., Ltd.**, Tokyo (JP)

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

(21) Appl. No.: **29/173,508**

(22) Filed: **Dec. 31, 2002**

(30) **Foreign Application Priority Data**

Oct. 4, 2002 (JP) ..... 2002-027246

(51) **LOC (7) Cl.** ..... **19-04**

(52) **U.S. Cl.** ..... **D19/32**

(58) **Field of Search** ..... D19/27, 32; 24/67 R;  
281/15.1, 19.1, 27.1, 27.2, 27.3, 28, 29,  
45; 402/26, 31, 36, 37, 38, 39, 40, 41,  
42, 60, 64, 65, 68, 69, 80 R, 80 L, 80 P;  
412/43; D8/394

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

745,372 A \* 12/1903 Northcott et al. .... 402/36  
785,750 A \* 3/1905 Montgomery ..... 402/68  
1,688,514 A \* 10/1928 Arends ..... 281/27.3  
2,716,409 A \* 8/1955 Thesieres ..... D19/27

2,733,717 A \* 2/1956 Haskin ..... D19/32  
2,886,039 A \* 5/1959 Lotter ..... 402/30  
3,958,886 A \* 5/1976 Price ..... D19/27  
4,222,679 A \* 9/1980 Luogameno ..... 402/75  
D322,092 S \* 12/1991 Mizutani et al. .... D19/32

\* cited by examiner

*Primary Examiner*—Doris V. Coles

*Assistant Examiner*—Elizabeth Albert

(74) *Attorney, Agent, or Firm*—Frishauf, Holtz, Goodman & Chick, P.C.

(57) **CLAIM**

The ornamental design for a binding apparatus for binders, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, front, left side perspective view of a binding apparatus for binders showing our new design  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a top plan view thereof;  
FIG. 5 is a bottom plan view thereof;  
FIG. 6 is a right side view thereof, the left side view being a mirror image; and,  
FIG. 7 is an exploded top, front, left side perspective view thereof, in a separated state.

**1 Claim, 4 Drawing Sheets**

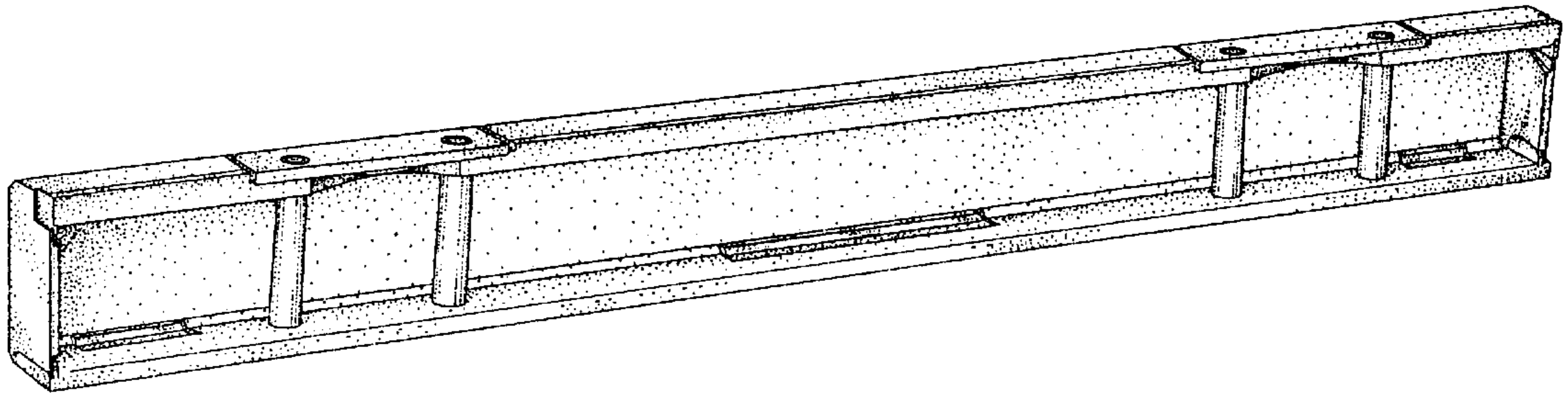


FIG. 1

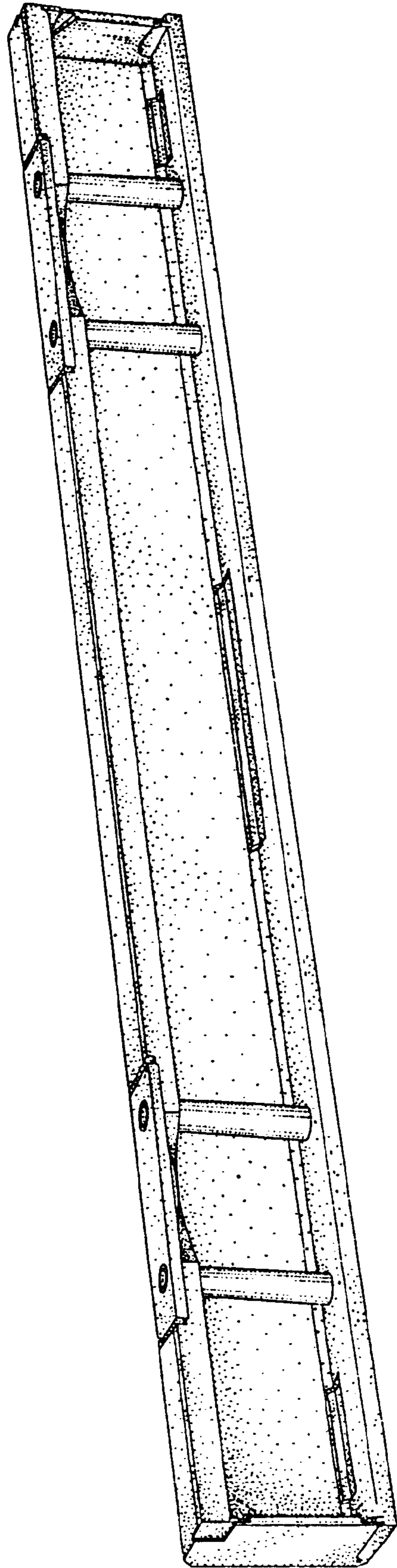


FIG. 2

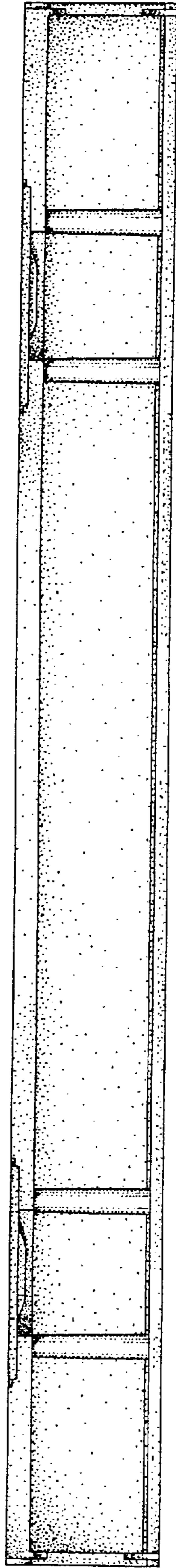


FIG. 3

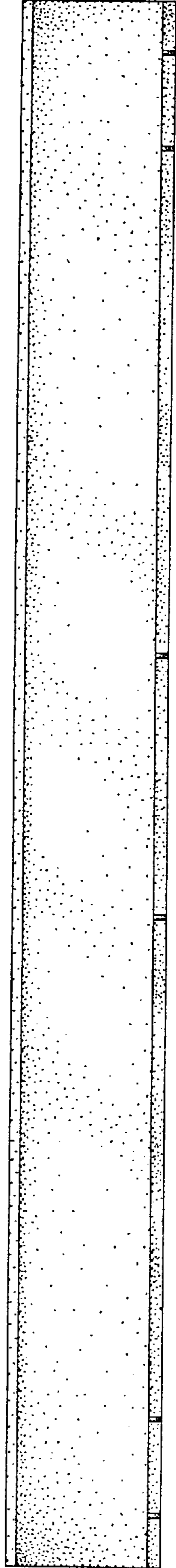


FIG. 4



FIG. 5

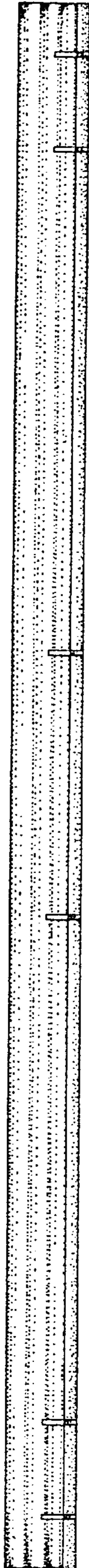


FIG. 6

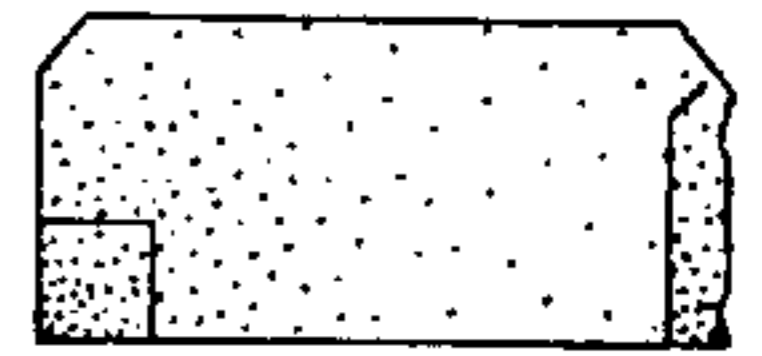


FIG. 7

