

[54] COMBINED CHUCKER AND BAR MACHINE

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[73] Assignee: Hardinge Brothers, Inc., Elmira, N.Y.

[**] Term: 14 Years

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[22] Filed: Mar. 9, 1982

[52] U.S. Cl. D15/130; D15/122

[58] Field of Search D15/122, 127, 130, 199; 82/2.5, 32

[56] References Cited

U.S. PATENT DOCUMENTS

D. 245,007	7/1977	Cunningham	D15/122
D. 252,575	8/1979	Simmons	D15/130
3,703,112	11/1972	Selby	82/2.5
4,324,162	4/1982	Uehara	82/215

OTHER PUBLICATIONS

American Machinist, 11/1977; p. B-24; Lodge & Shipley, NC Turning System.

American Machinist; 3/81; p. 41; Miyanomatic CNC Lathe.

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[57] CLAIM

The ornamental design for a combined chucker and bar machine, as shown and described.

DESCRIPTION

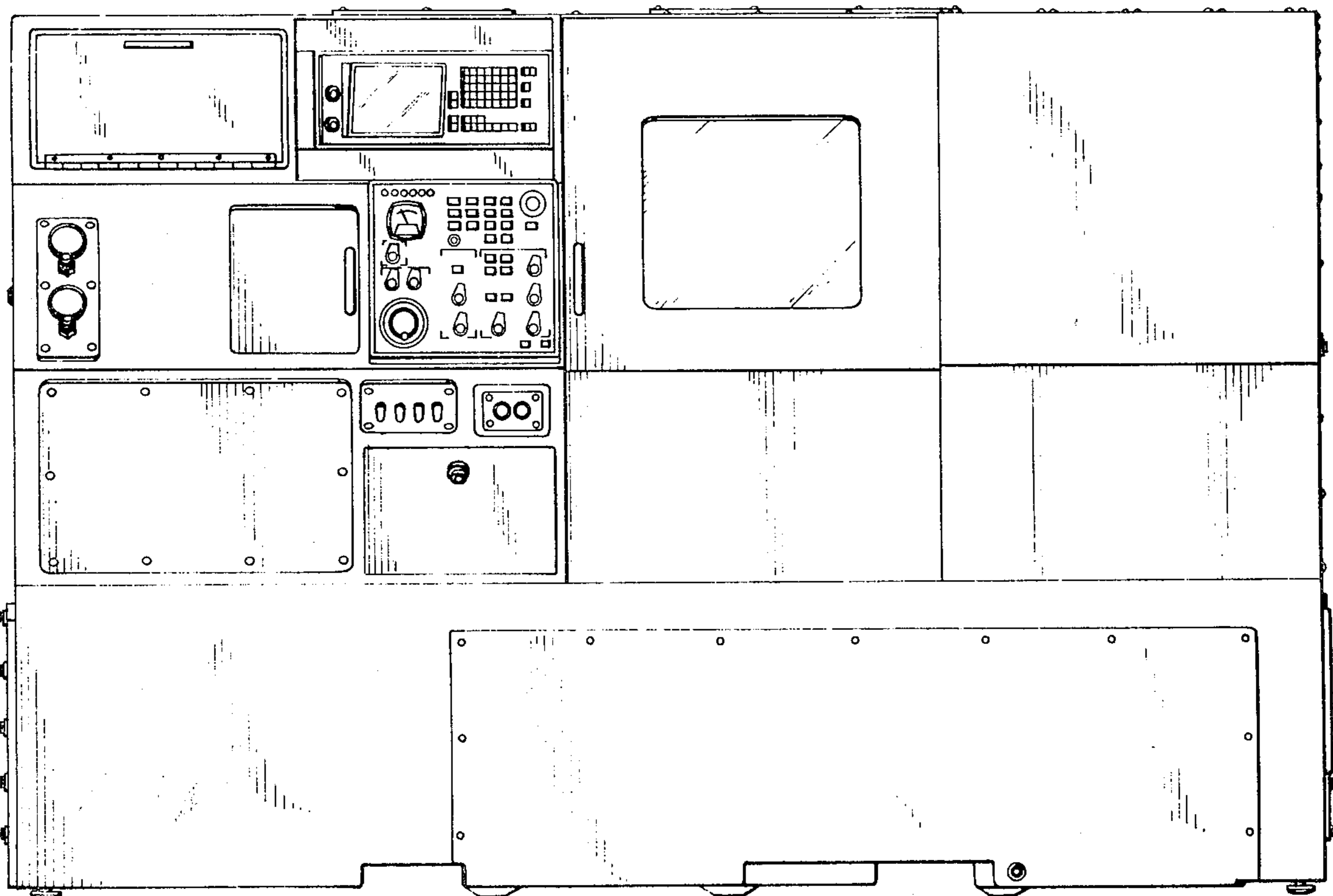
FIG. 1 is a front elevational view of a combined chucker and bar machine showing my new design;

FIG. 2 is a rear elevational view thereof;

FIG. 3 is a top plan view thereof;

FIG. 4 is a side elevational view taken from the left of FIG. 1;

FIG. 5 is a side elevational view taken from the right of FIG. 1.



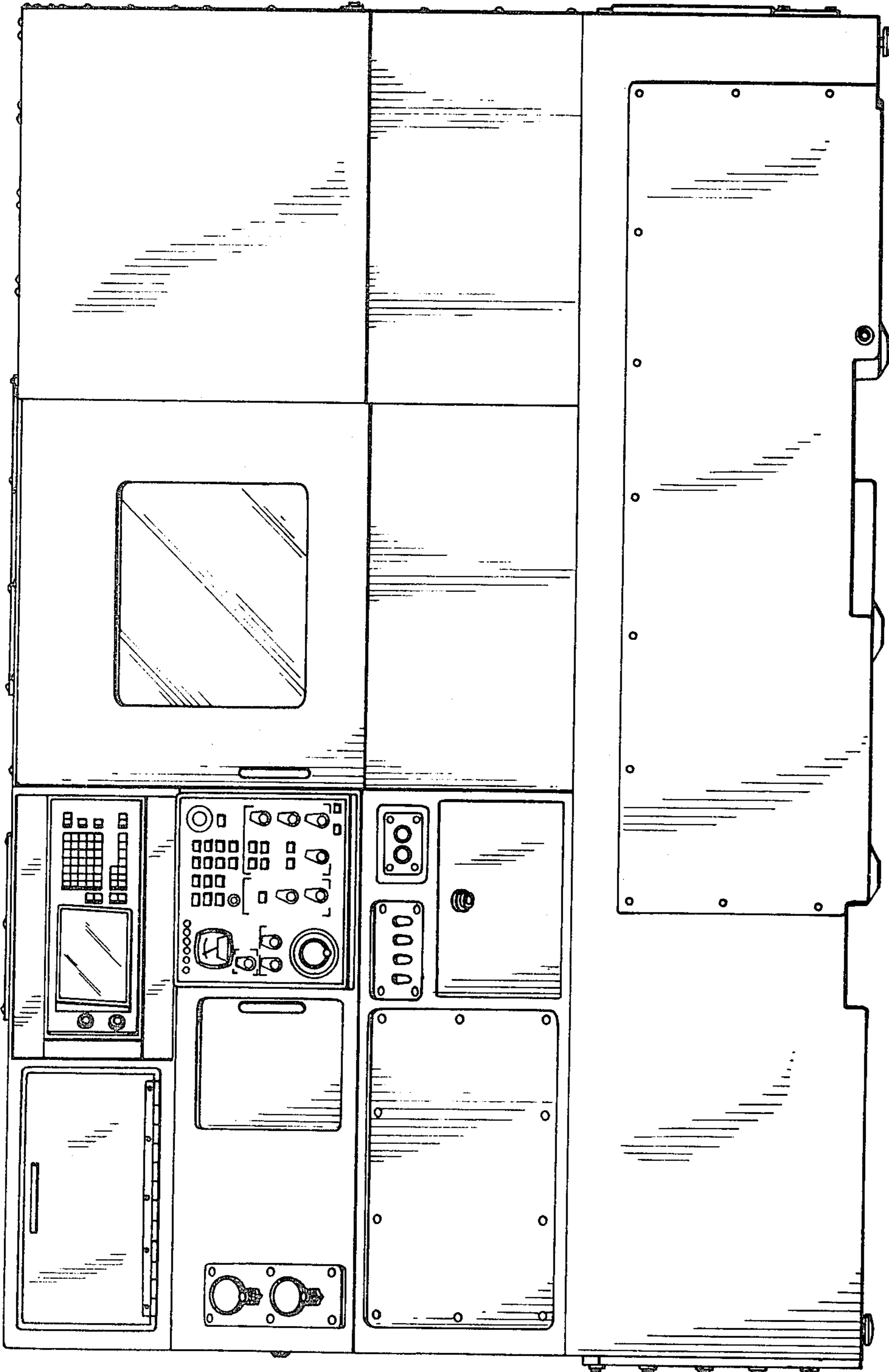


FIG. 1

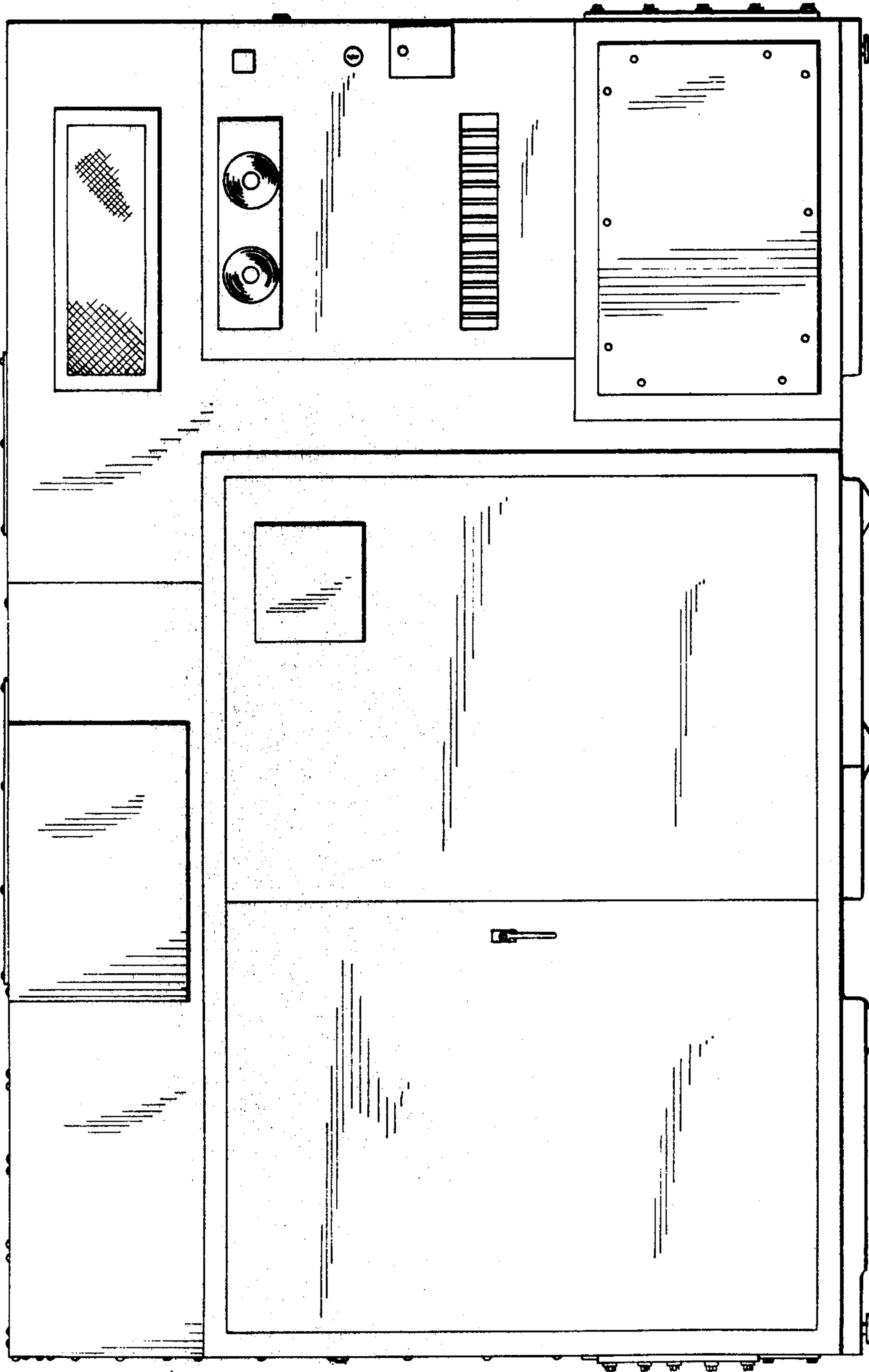


FIG. 2

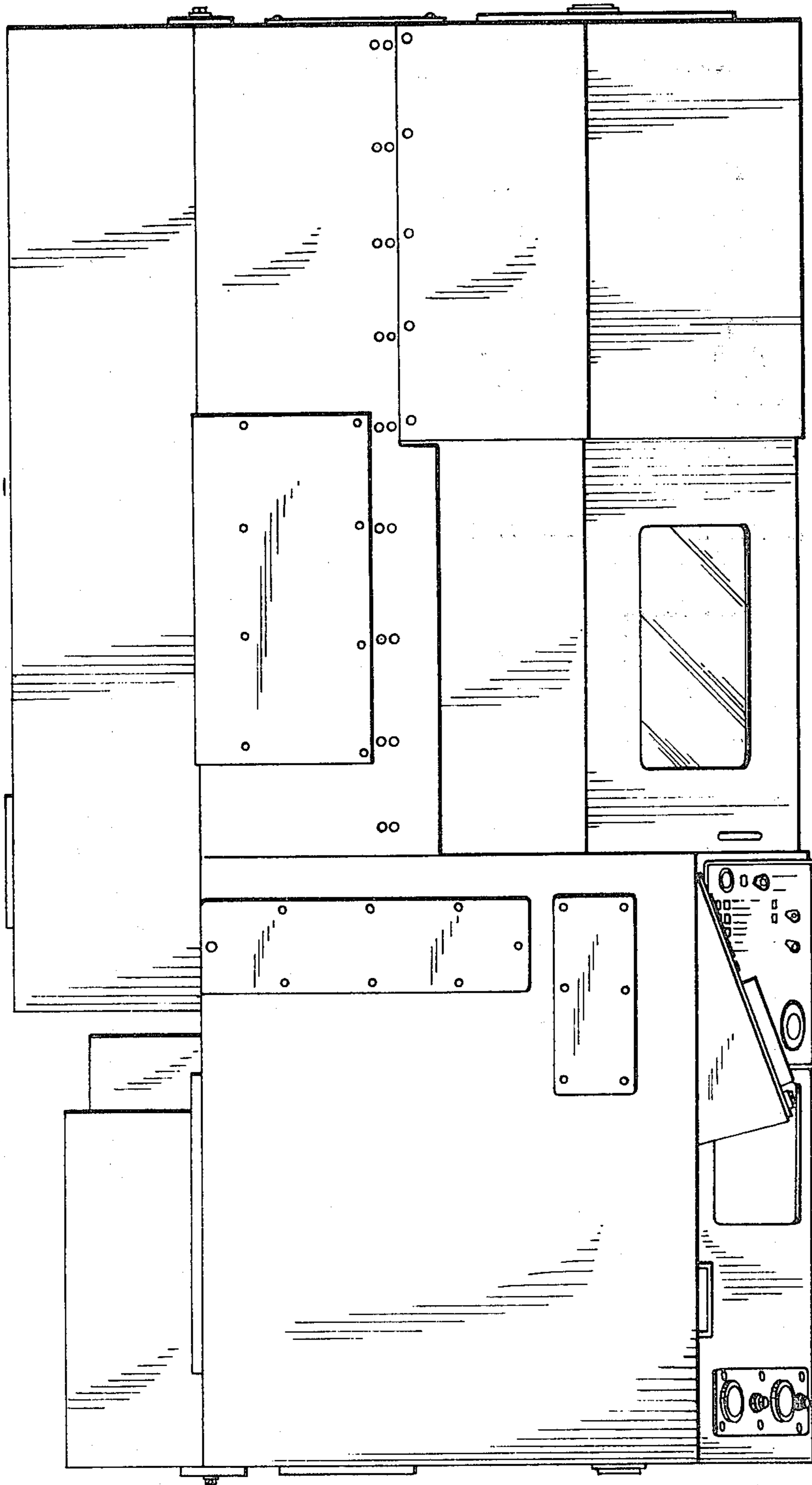


FIG. 3

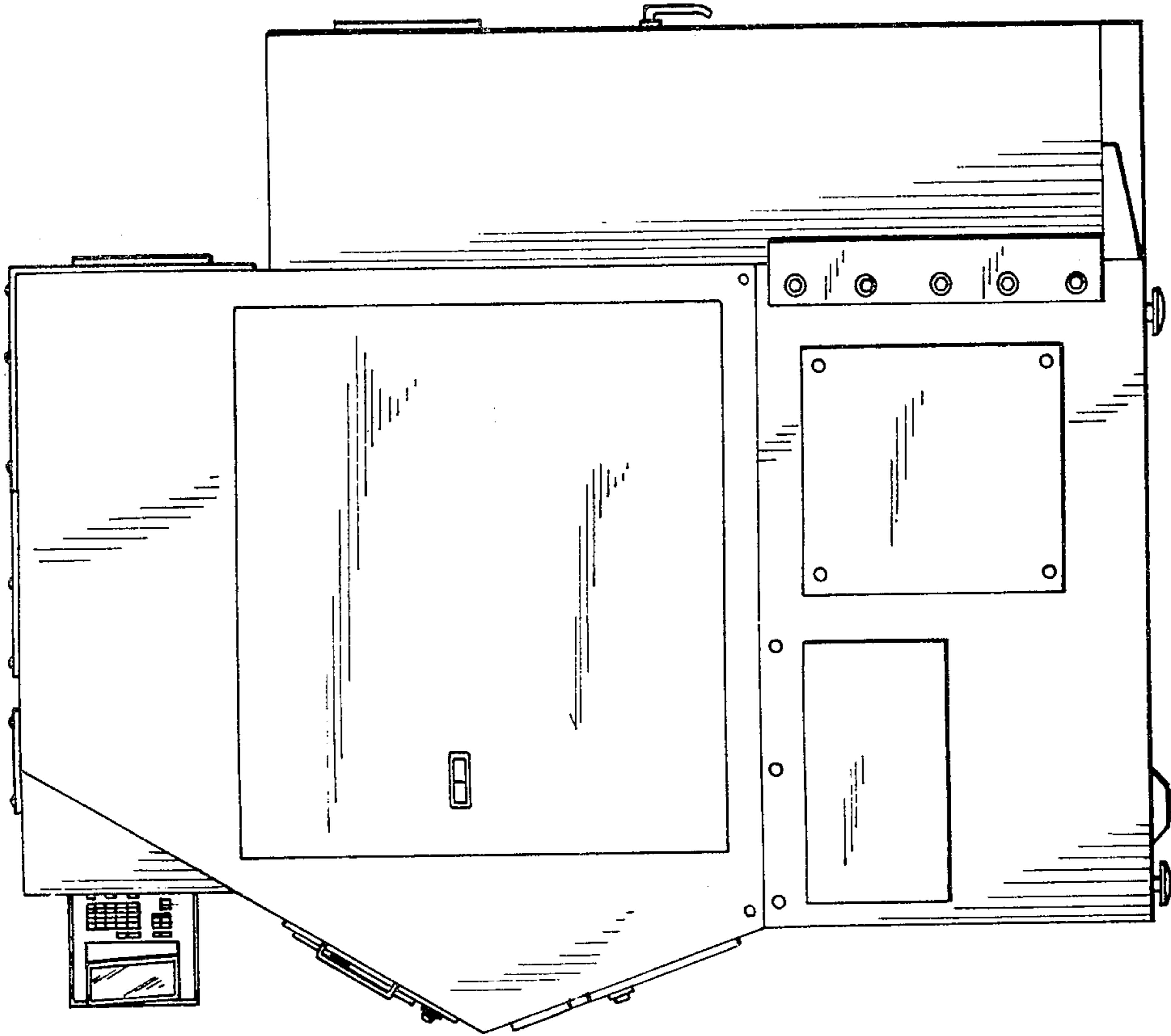


FIG. 5

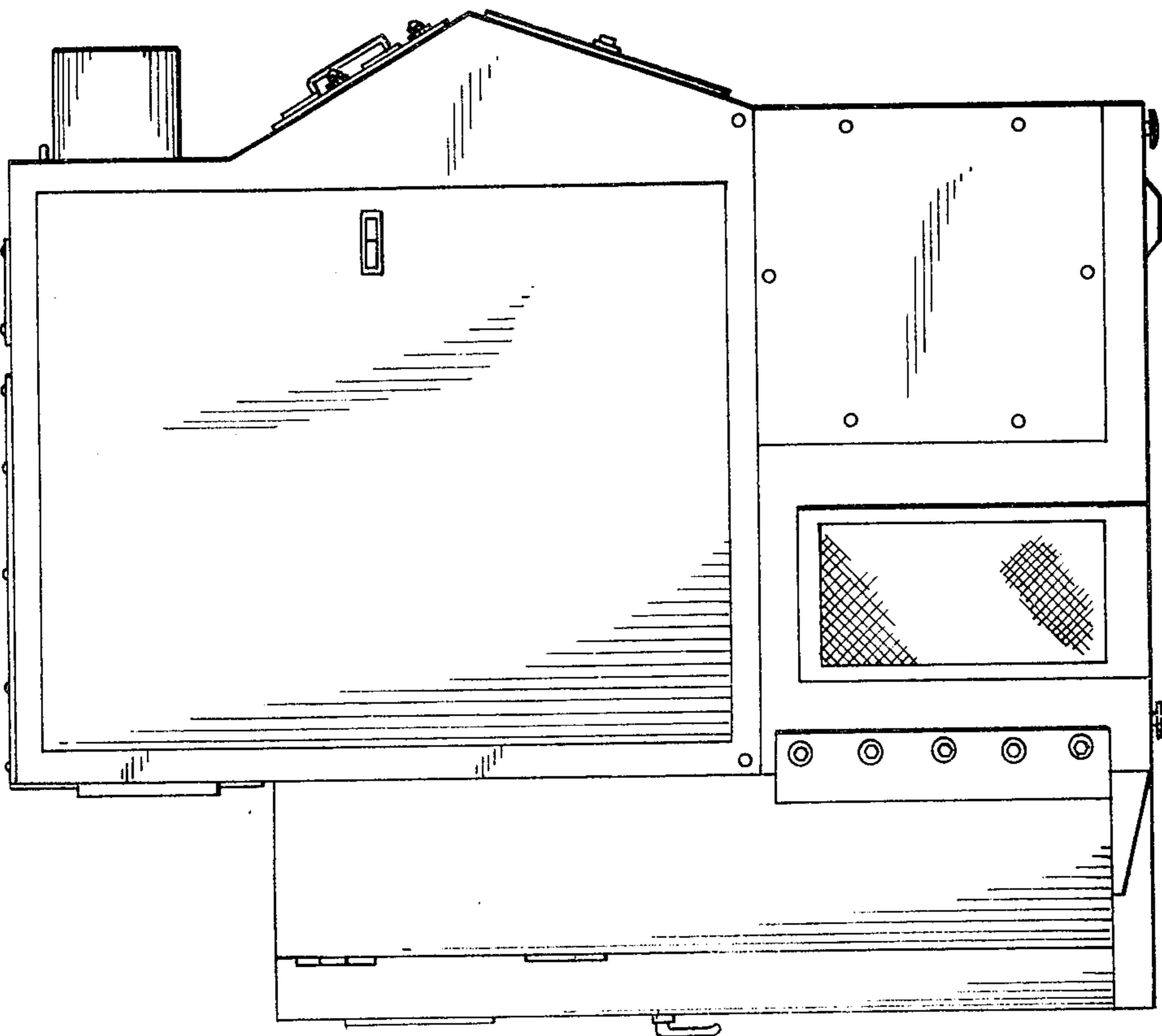


FIG. 4