



US00D349861S

United States Patent [19] Kanewske et al.

[11] Patent Number: **Des. 349,861**

[45] Date of Patent: **** Aug. 23, 1994**

[54] **AUTOMATED ANALYTICAL INSTRUMENT**

[75] Inventors: **William J. Kanewske**, Dallas, Tex.;
Max K. Yoshimoto, San Mateo; **Brett C. Lovelady**, San Jose, both of Calif.

[73] Assignee: **Abbott Laboratories**, Abbott Park, Ill.

[**] Term: **14 Years**

[21] Appl. No.: **915,169**

[22] Filed: **Jul. 20, 1992**

[52] U.S. Cl. **D10/81**

[58] Field of Search 422/50-68.1,
422/72; 436/43-45, 55; 364/509, 497; 356/440;
73/431; 222/23, 25, 30; D10/46, 75, 81;
D24/185, 186, 232, 234, 216

[56] **References Cited**

U.S. PATENT DOCUMENTS

D. 245,352	8/1977	Moran	.....	D10/81
D. 264,873	6/1982	Olson et al.	.....	D10/81
D. 282,203	1/1986	Leonard et al.	.....	D10/81
D. 333,007	2/1993	LaBarbera	.....	D10/81 X
D. 338,419	8/1993	Frenkel et al.	.....	D10/81
D. 338,962	8/1993	Ikegami et al.	.....	D24/232 X
2,958,439	11/1960	Yochem	.....	220/38.5
3,814,582	6/1974	Rohrbaugh et al.	.....	23/230 R
3,915,651	10/1975	Nishi	.....	23/259
3,951,608	4/1976	Trod	.....	23/259
4,038,555	7/1977	Freeman	.....	250/573
4,078,895	3/1978	Moran	.....	D24/232 X
4,111,754	9/1978	Park	.....	195/127
4,113,436	9/1978	Werder et al.	.....	422/65
4,141,687	2/1979	Forrest et al.	.....	23/230 R
4,234,538	11/1980	Ginsberg et al.	.....	422/64
4,234,539	11/1980	Ginsberg et al.	.....	422/64
4,234,540	11/1980	Ginsberg et al.	.....	422/64
4,256,725	3/1981	Rutner et al.	.....	424/1
4,268,477	5/1981	Herzstark	.....	422/64
4,276,051	6/1981	Ginsberg et al.	.....	23/230 R
4,276,260	6/1981	Drbal et al.	.....	422/100
4,278,437	7/1981	Haggar	.....	23/230 B
4,298,571	11/1981	Difulvio et al.	.....	422/65
4,302,421	11/1981	Baker	.....	422/64

4,311,394	1/1982	Manabe	.....	356/440
4,325,910	4/1982	Jordan	.....	422/64

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

0100663	2/1984	European Pat. Off.	..
0109613	5/1984	European Pat. Off.	..
0212455	3/1987	European Pat. Off.	..
0216026	4/1987	European Pat. Off.	..
0216177	4/1987	European Pat. Off.	..
0301584	2/1989	European Pat. Off.	..
0355738	2/1990	European Pat. Off.	..
0355849	2/1990	European Pat. Off.	..
0359049	3/1990	European Pat. Off.	..
0387787	9/1990	European Pat. Off.	..
0409126	1/1991	European Pat. Off.	..
0410645	1/1991	European Pat. Off.	..
0411620	2/1991	European Pat. Off.	..
62-050645	3/1987	Japan	..
62-298765	12/1987	Japan	..
63-045069	9/1988	Japan	..
63-293444	11/1988	Japan	..
89009571	2/1989	Japan	..
8301119	3/1983	PCT Int'l Appl.	..

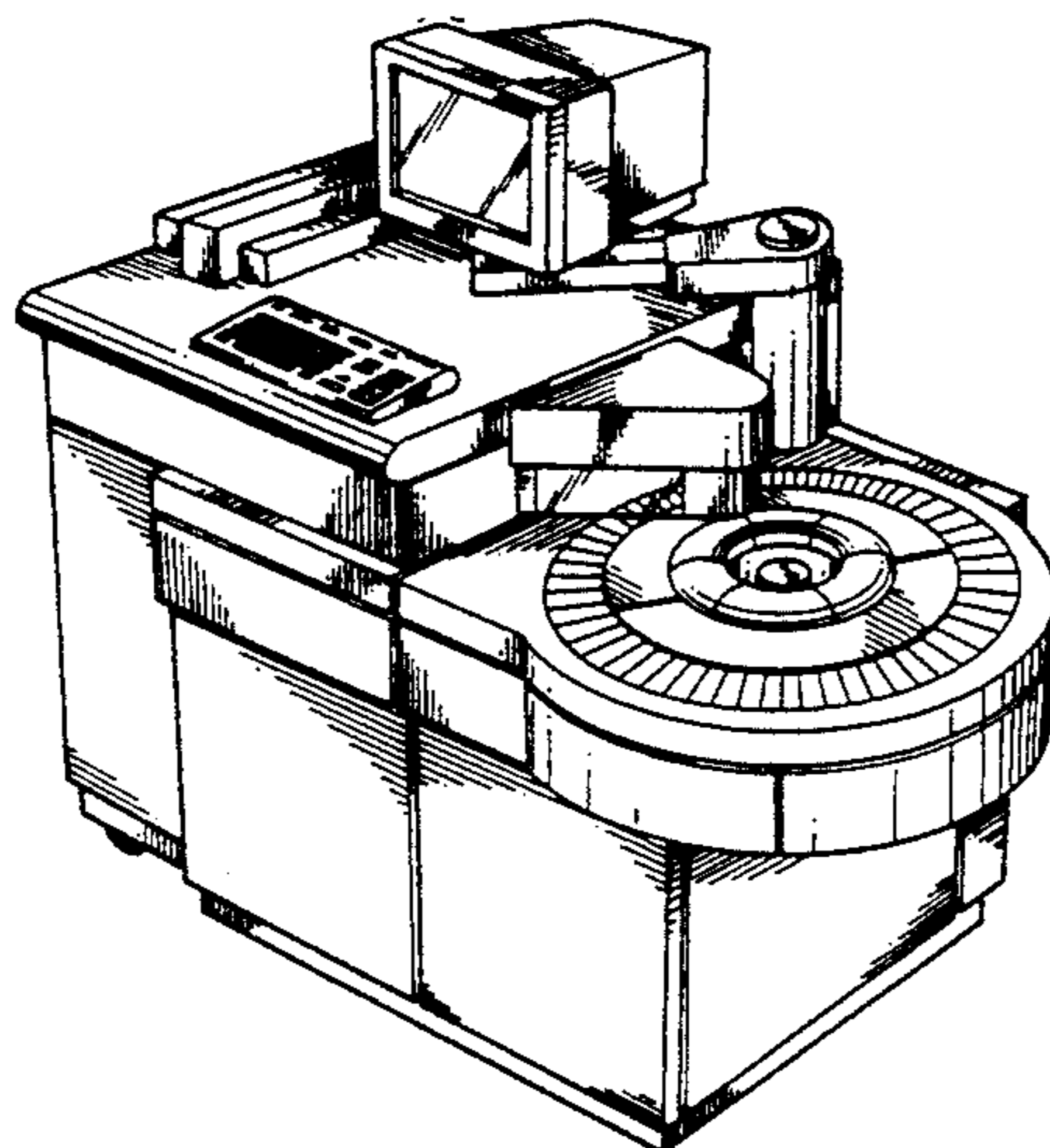
Primary Examiner—Alan P. Douglas
Assistant Examiner—Antoine D. Davis
Attorney, Agent, or Firm—Daniel W. Collins

[57] **CLAIM**

The ornamental design for an automated analytical instrument, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an automated analytical instrument, showing our new design;
FIG. 2 is a front elevational view of the automated analytical instrument shown in FIG. 1;
FIG. 3 is a top plan view of the automated analytical instrument shown in FIG. 1;
FIG. 4 is a rear view of the automated analytical instrument shown in FIG. 1;
FIG. 5 is a left-side elevational view of the automated analytical instrument shown in FIG. 1; and,
FIG. 6 is a right-side elevational view of the automated analytical instrument shown in FIG. 1.



U.S. PATENT DOCUMENTS

4,326,851	4/1982	Bello et al.	23/230 R	4,774,055	9/1988	Wakatake et al.	422/64
4,346,056	8/1982	Sakurada	422/64	4,781,891	11/1988	Galle et al.	422/64
4,449,405	5/1984	Franz et al.	73/304 C	4,788,150	11/1988	Nelson et al.	436/45
4,451,433	5/1984	Yamashita et al.	422/63	4,805,469	2/1989	Commarmot	73/864.81
4,456,037	6/1984	Goocho	141/1	4,808,380	2/1989	Minekane	422/64
4,472,505	9/1984	Manabe et al.	436/47	4,815,632	3/1989	Ball et al.	222/23
4,483,927	11/1984	Takekawa	436/43	4,818,492	4/1989	Shimizo	422/100
4,495,149	1/1985	Iwata et al.	422/65	4,821,080	4/1989	Hayashi	356/318
4,499,766	2/1985	Fathauer et al.	73/304 C	4,826,660	5/1989	Smith et al.	422/68
4,502,126	2/1985	Mizoguchi	364/509	4,837,159	6/1989	Yamada	436/45
4,526,046	7/1985	Oberli	73/864.16	4,844,887	7/1989	Galle et al.	422/65
4,540,549	9/1985	Manabe	422/64	4,864,169	9/1989	Rioux et al.	310/12
4,554,134	11/1985	Tervamaki et al.	422/100	4,876,204	10/1989	Inoue et al.	436/46
4,571,160	2/1986	Galle et al.	422/65	4,900,513	2/1990	Barker et al.	422/64
4,586,546	5/1986	Mezei et al.	141/2	4,906,433	3/1990	Minekane	422/64
4,595,562	6/1986	Liston et al.	422/65	4,908,186	3/1990	Sakamaki	422/64
4,629,703	12/1986	Uffenheimer	436/45	4,908,320	3/1990	Zakowski et al.	436/45
4,647,432	3/1987	Wakatake	422/64	4,919,887	4/1990	Wakatake	422/67
4,678,752	7/1987	Thorne et al.	435/291	4,961,906	10/1990	Andersen et al.	422/102
4,679,446	7/1987	Sheehan et al.	73/864.13	4,965,049	10/1990	Lillig et al.	422/68
4,695,430	9/1987	Coville et al.	422/65	4,970,053	11/1990	Fechtner	422/102
4,699,766	10/1987	Yamashita	422/64	4,970,468	11/1990	Ishizawa et al.	324/662
4,737,342	4/1988	Herrmann et al.	422/64	4,971,913	11/1990	Manabe et al.	436/55
4,738,825	4/1988	Kelln et al.	422/72	4,977,786	12/1990	Davis	73/864.24
4,766,078	8/1988	Gang	435/291	5,012,683	5/1991	Davis	73/864.24
				5,051,238	9/1991	Umetsu et al.	422/64
				5,083,283	1/1992	Imai et al.	364/497

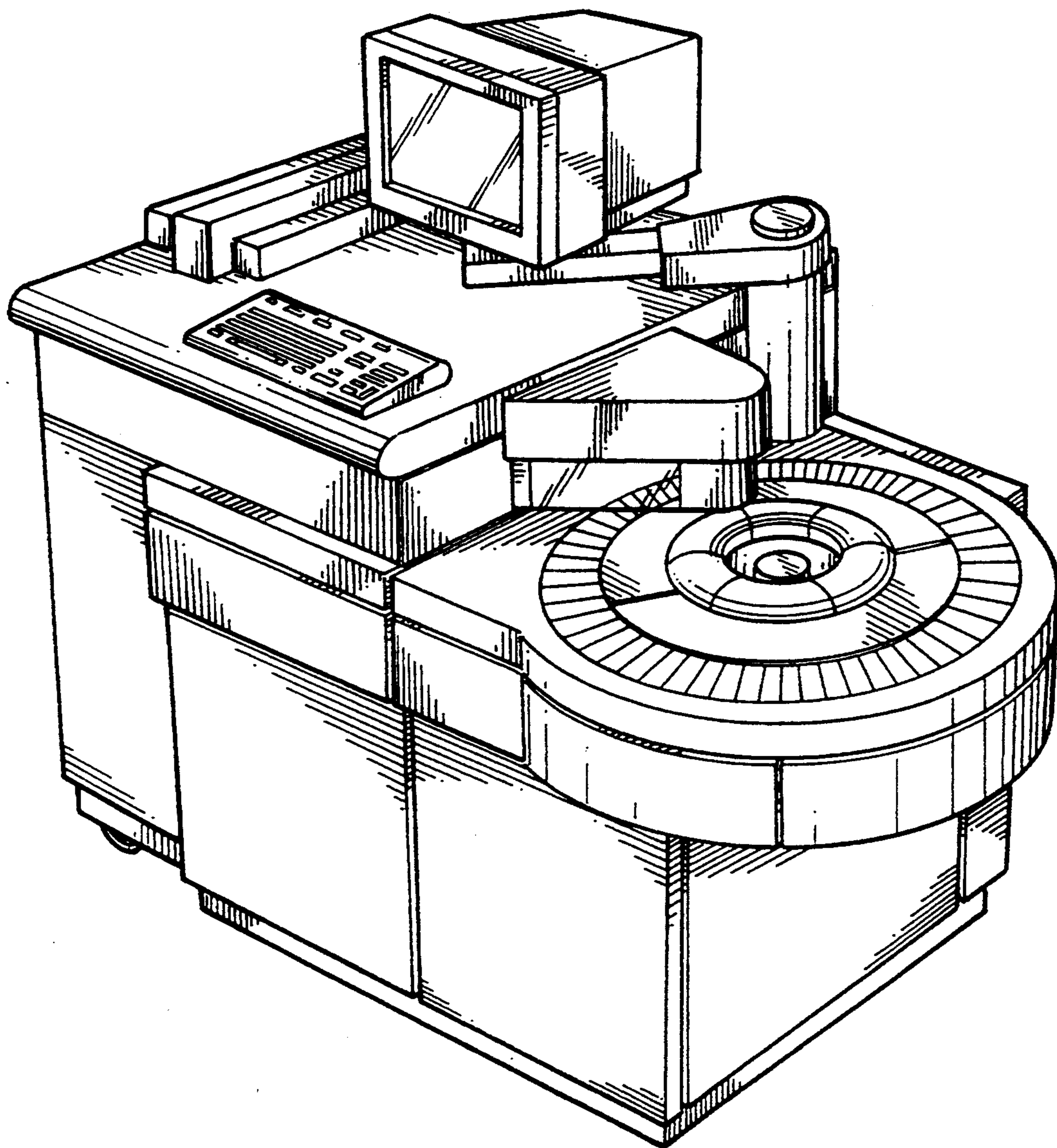


FIG. 1

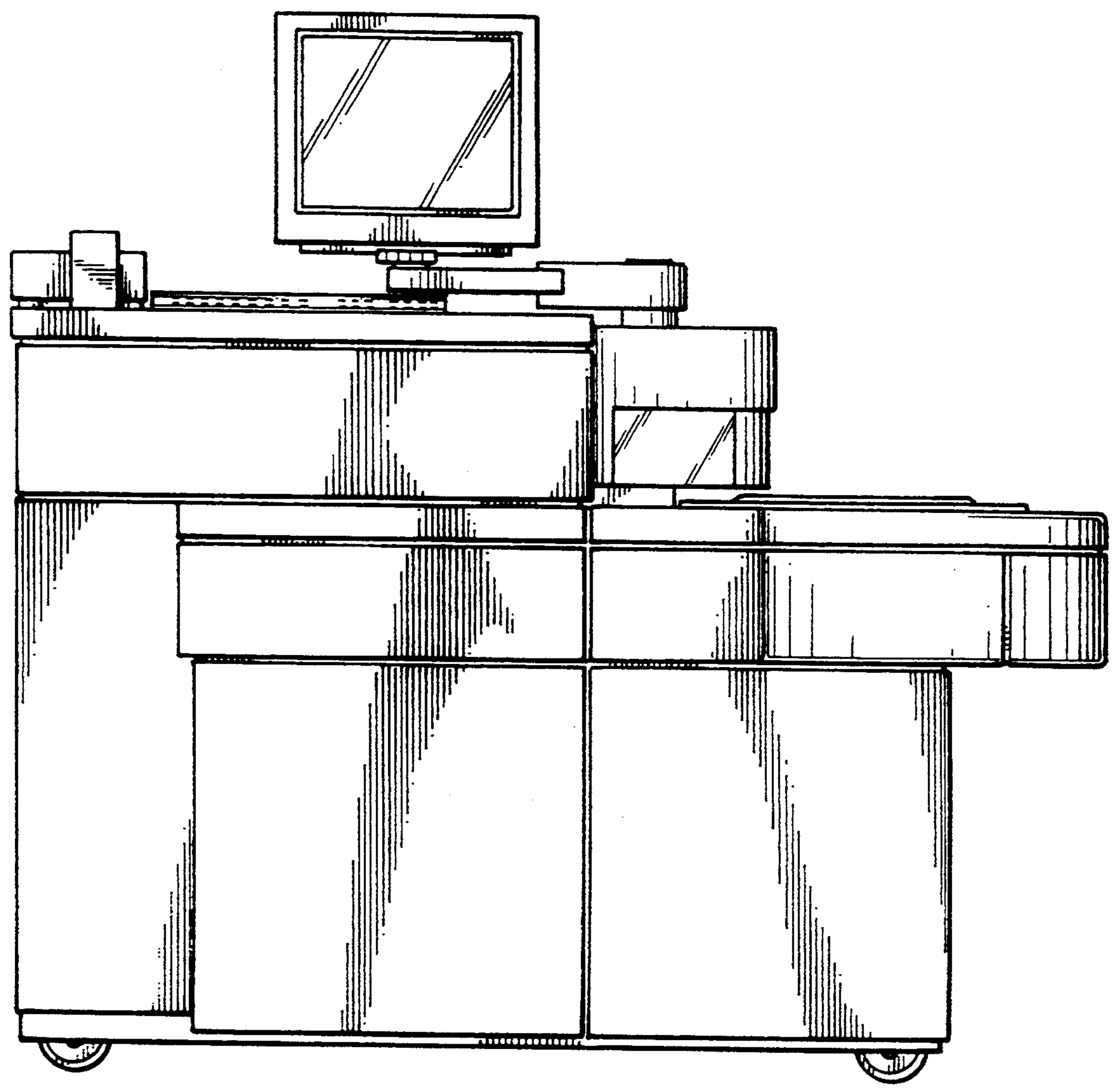


FIG. 2

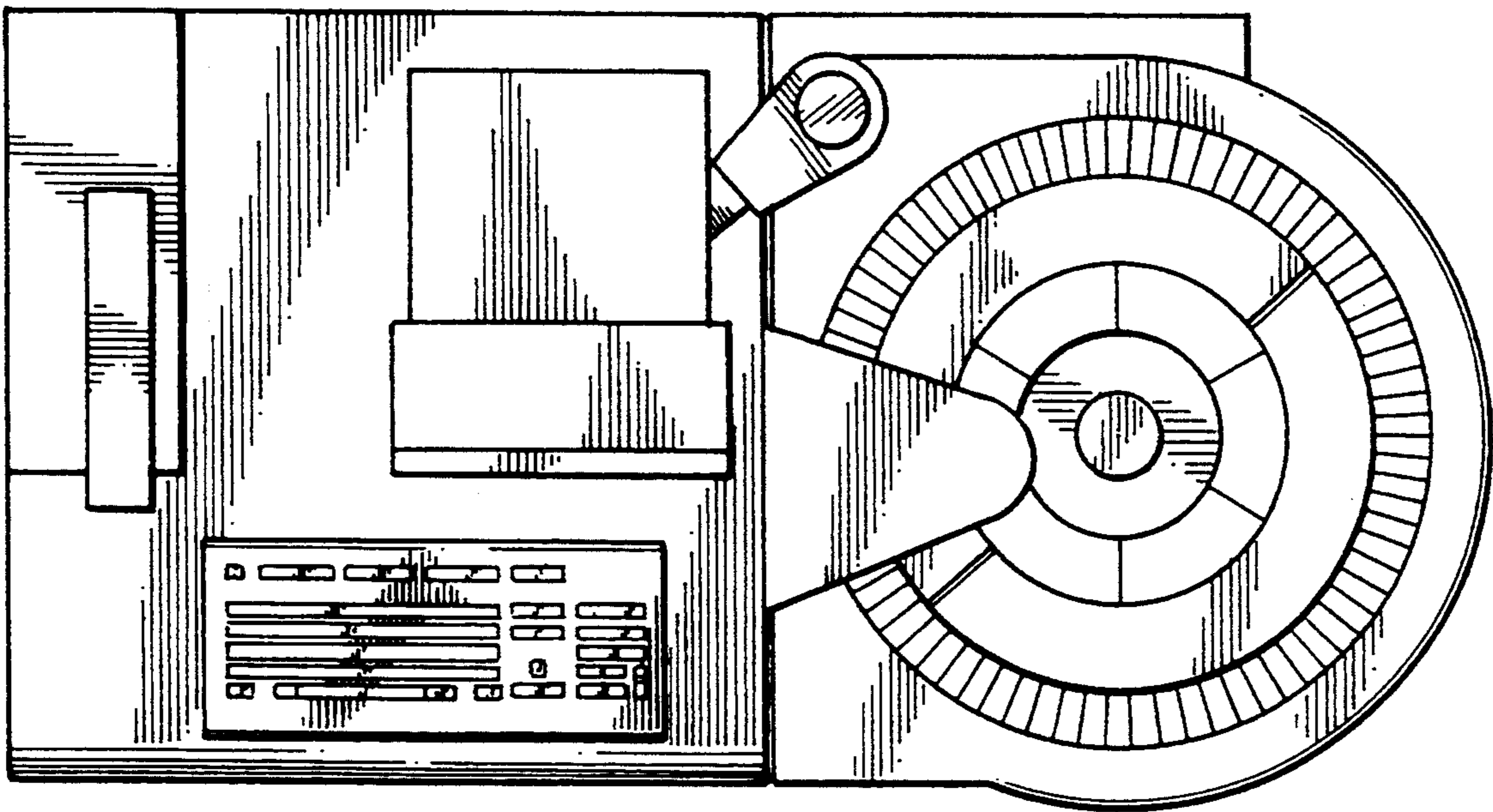


FIG. 3

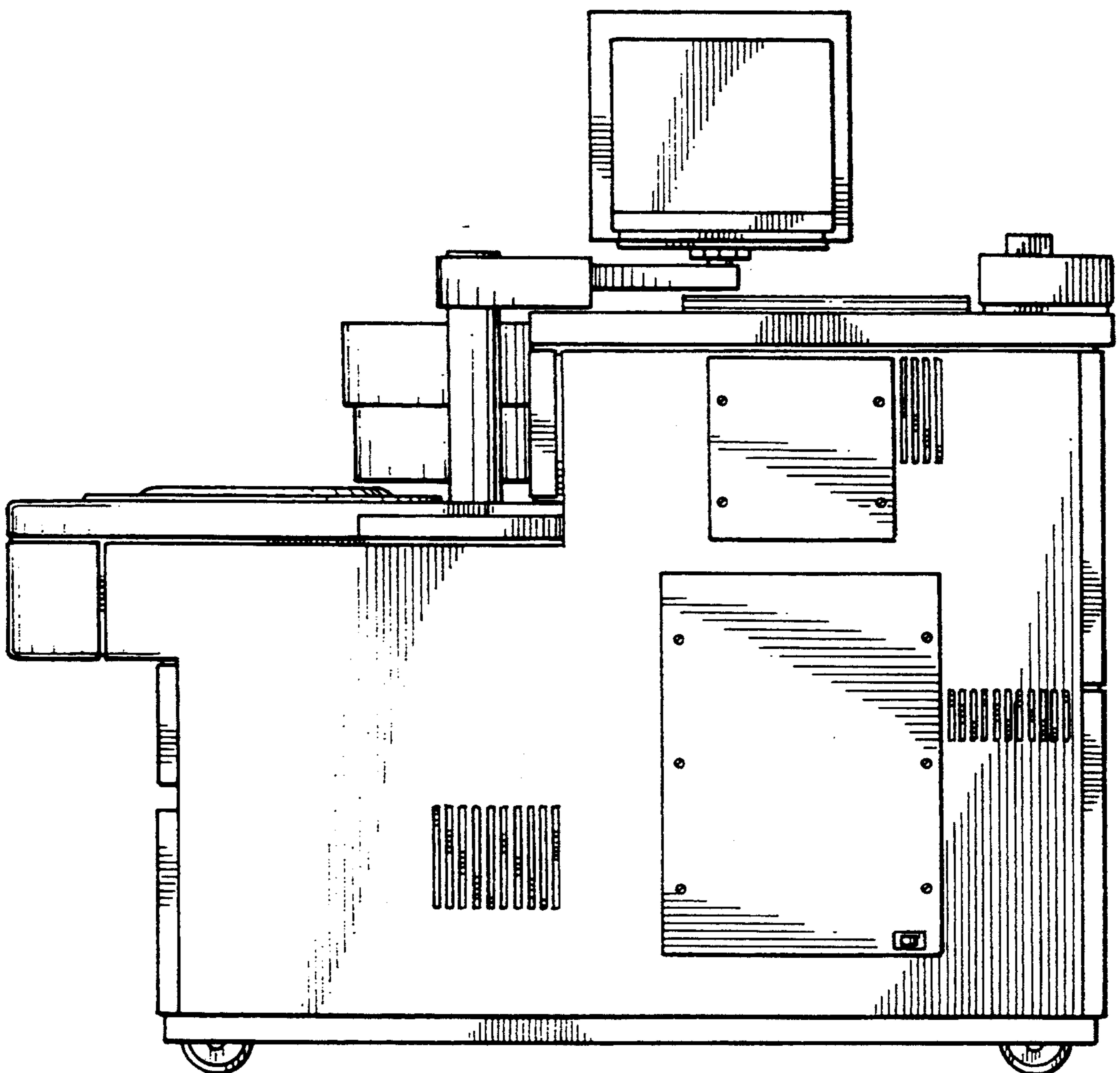


FIG. 4

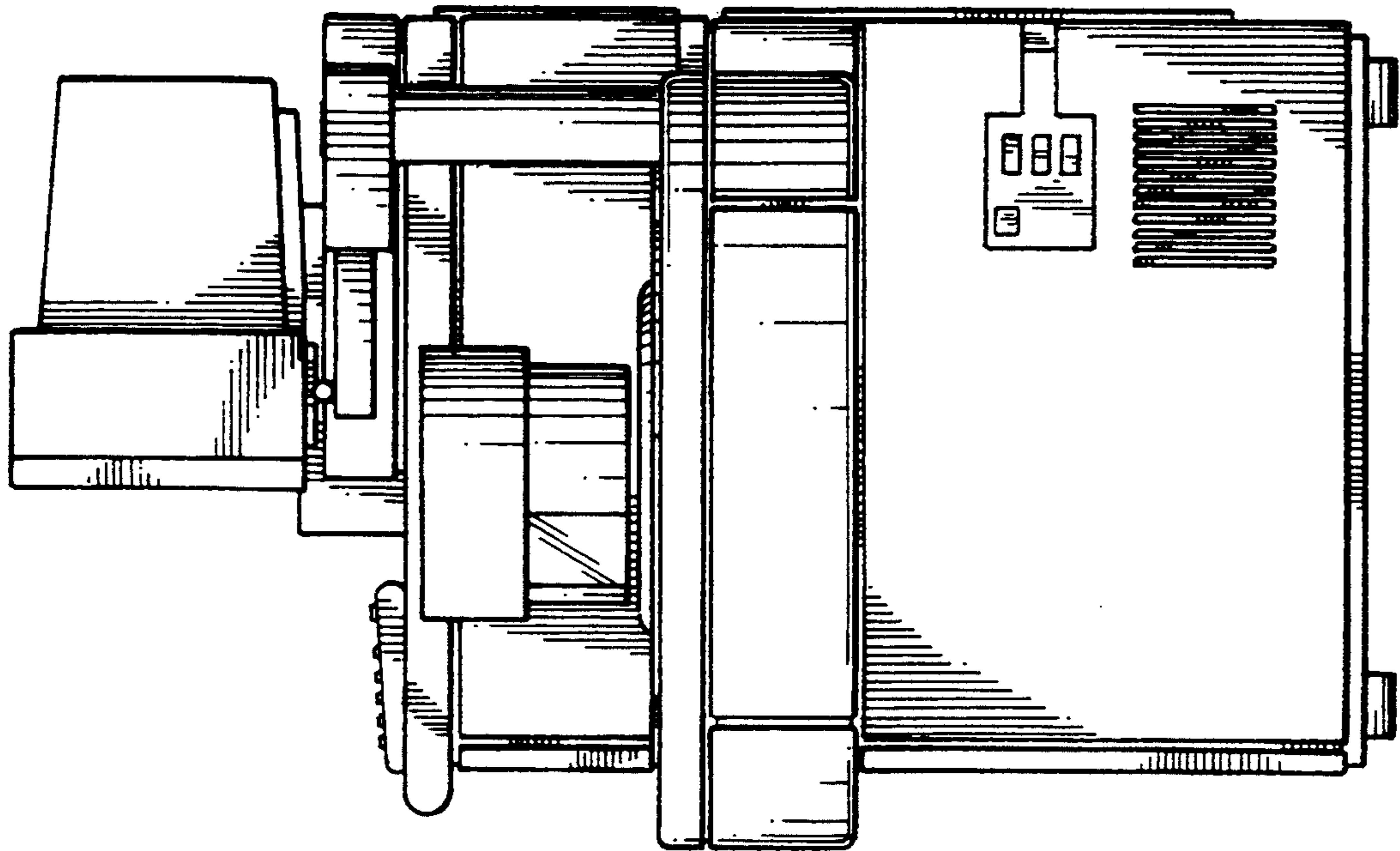


FIG. 6

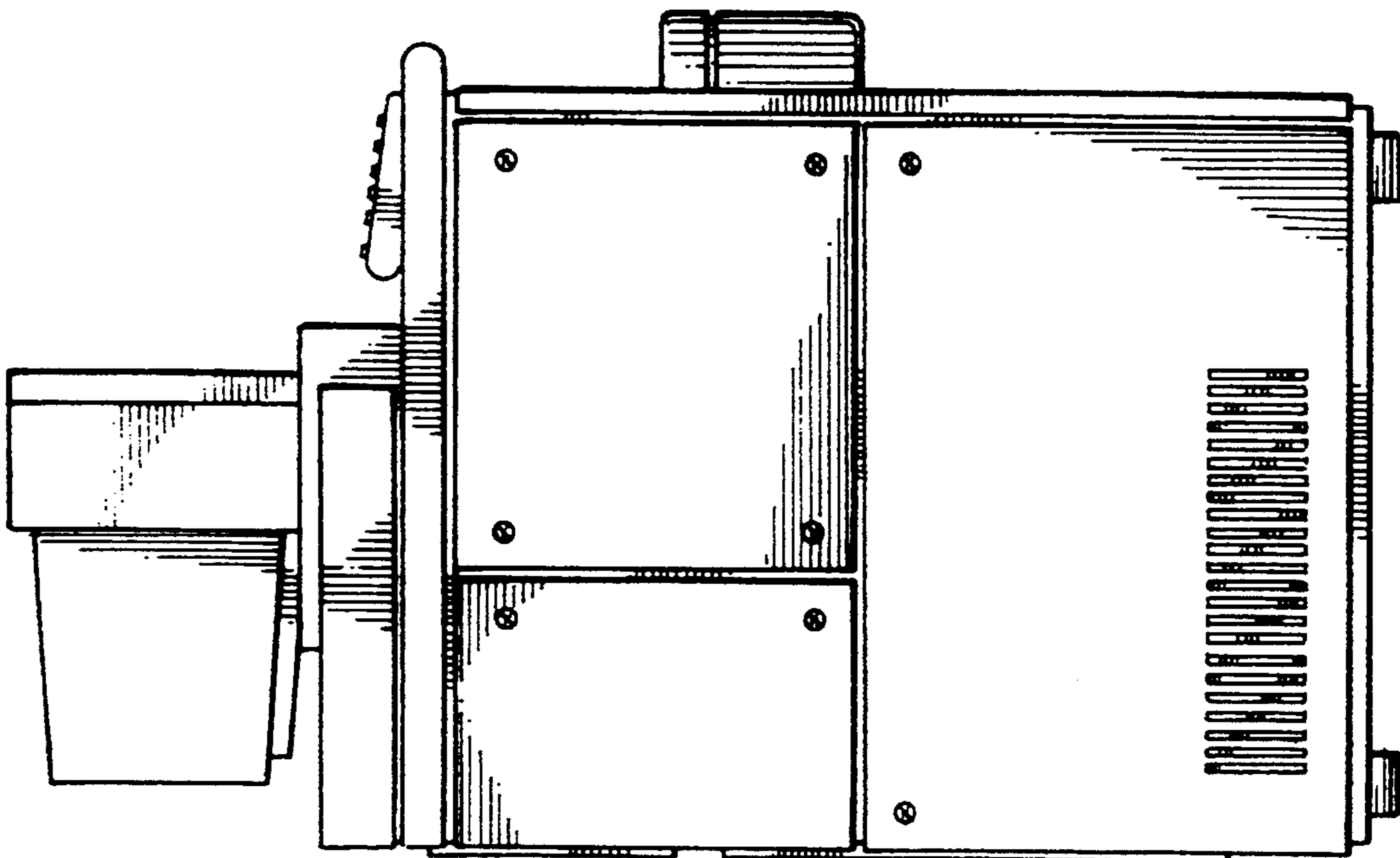


FIG. 5