

[54] DIFFERENTIAL PRESSURE TRANSDUCER

[75] Inventor: Said Karbassi, Monroe, Wis.

[73] Assignee: Honeywell Inc., Minneapolis, Minn.

[\*\*] Term: 14 Years

[21] Appl. No.: 292,576

[22] Filed: Dec. 30, 1988

[52] U.S. Cl. .... D13/101

[58] Field of Search ..... D13/158, 171, 101; 84/DIG. 24, 730; 338/23, 42, 45; 310/338; 73/720, 721; 357/26

[56] References Cited

U.S. PATENT DOCUMENTS

D. 109,572	5/1938	Van Vleck	.....	D13/158
D. 140,570	3/1945	Leupold	.....	D13/158
D. 287,359	12/1986	Ohashi	.....	D13/171
3,631,439	12/1971	Nichols	.....	310/338 X
4,006,641	2/1977	Alten	.....	338/42 X
4,656,454	4/1987	Rosenberger	.....	338/42 X

OTHER PUBLICATIONS

Micro Switch data sheet 84-07979-4, 1 88 entitled, *Solid State Miniature Pressure Sensors, 14 PC/16 PC Series.*

Micro Switch Catalog 15 entitled, *Specifier's Guide for Pressure Sensors*, transducers on pp. 6, 7, 12, 20, 28, 32, 40, Issue 3.

Micro Switch data sheet 84-07936-C entitled, *Solid State Low Pressure Sensors, 163PC01D48*, Issue 4 supplement to Cat. 15.

Micro Switch data sheet 84-07984-A, entitled, *Solid State Miniature Pressure Sensors Amplified Output*, Issue 2, Cat. 15.

Micro Switch data sheet 84-07984-0, entitled, *Solid State Miniature Pressure Sensors, Amplified Output*, 180 PC Series.

*Machine Design*, Nov. 24, 1988 article, "Tiny Sensors

*Keep a Close Watch on the Body"*, (cover and pp. 3 and 64-70).

*Primary Examiner*—Susan J. Lucas

*Assistant Examiner*—J. Sincavage

*Attorney, Agent, or Firm*—Charles L. Rubow

[57] CLAIM

The ornamental design for a differential pressure transducer, as shown and described.

DESCRIPTION

FIG. 1 is an upper front and left side perspective view of a differential pressure transducer showing my new design;

FIG. 2 is a top plan view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a front elevational view thereof;

FIG. 6 is a left end elevational view thereof;

FIG. 7 is a right end elevational view thereof;

FIG. 8 is an upper front and left side perspective view of a differential pressure transducer showing a second embodiment of my new design;

FIG. 9 is a top plan view thereof;

FIG. 10 is a rear elevational view thereof;

FIG. 11 is a bottom plan view thereof;

FIG. 12 is a front elevational view thereof;

FIG. 13 is a left end elevational view thereof;

FIG. 14 is a right end elevational view thereof;

FIG. 15 is an upper front and left side perspective view of a differential pressure transducer showing a third embodiment of my new design;

FIG. 16 is a top plan view thereof;

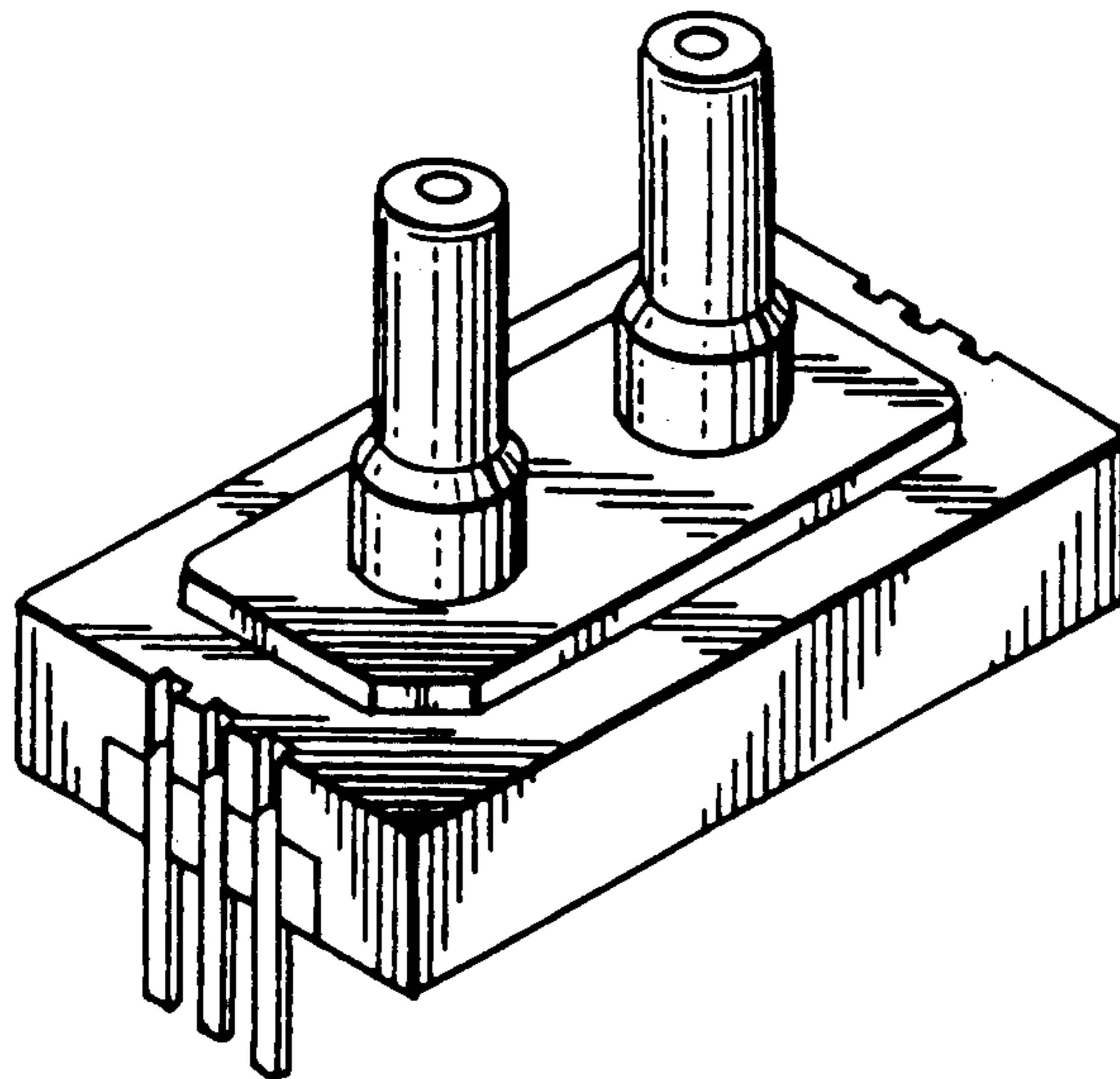
FIG. 17 is a rear elevational view thereof;

FIG. 18 is a bottom plan view thereof;

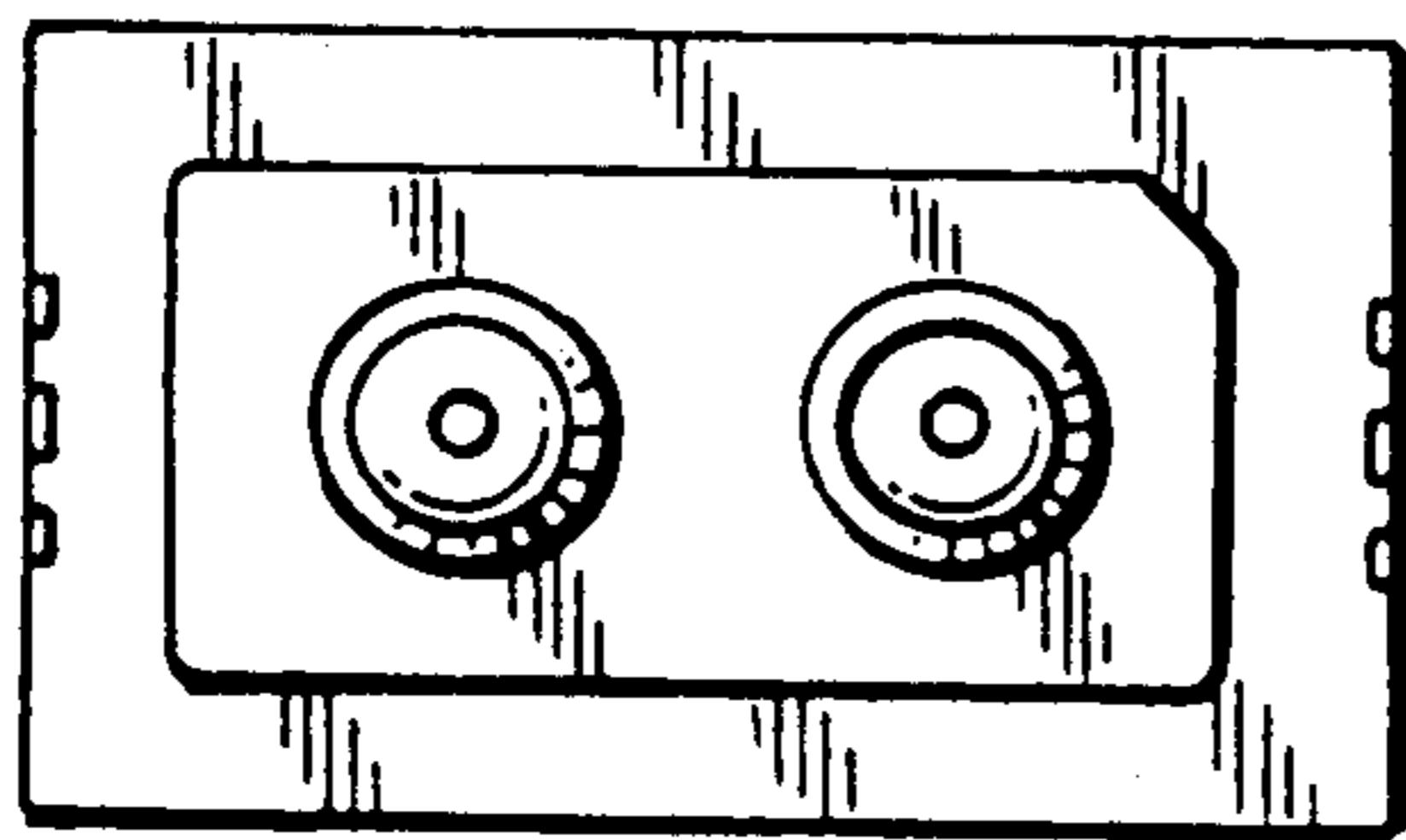
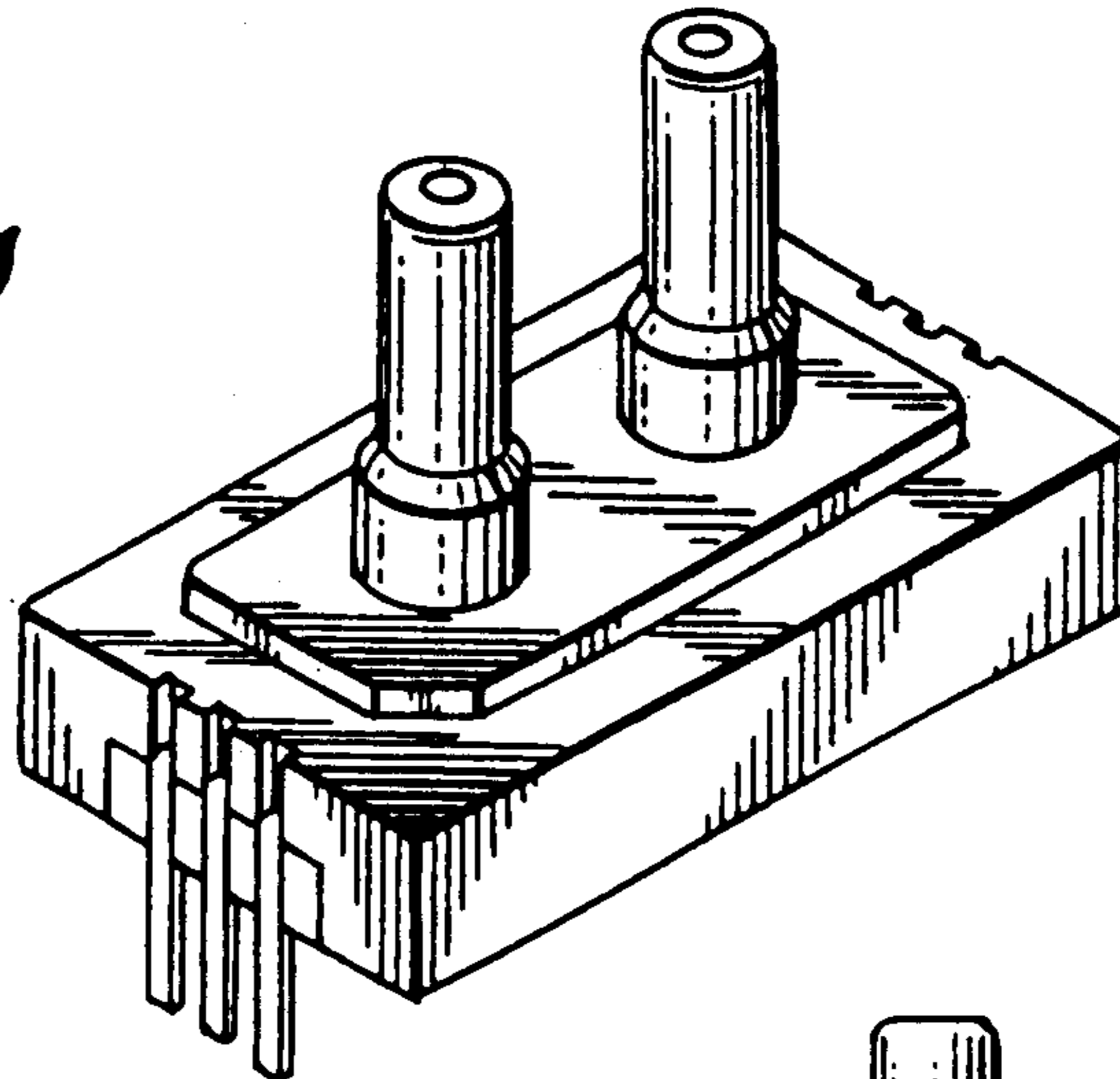
FIG. 19 is a front elevational view thereof;

FIG. 20 is a left end elevational view thereof;

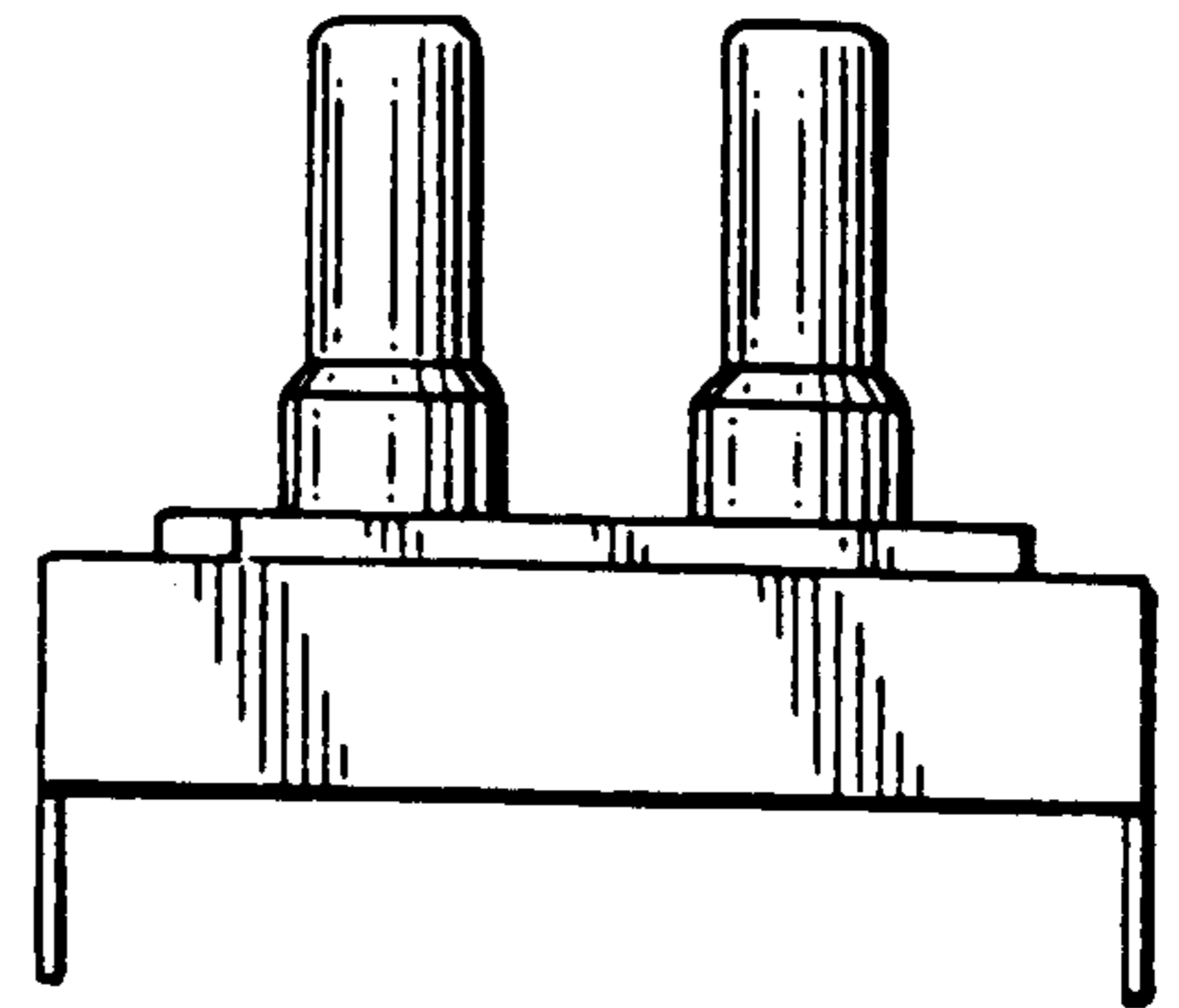
FIG. 21 is a right end elevational view thereof.



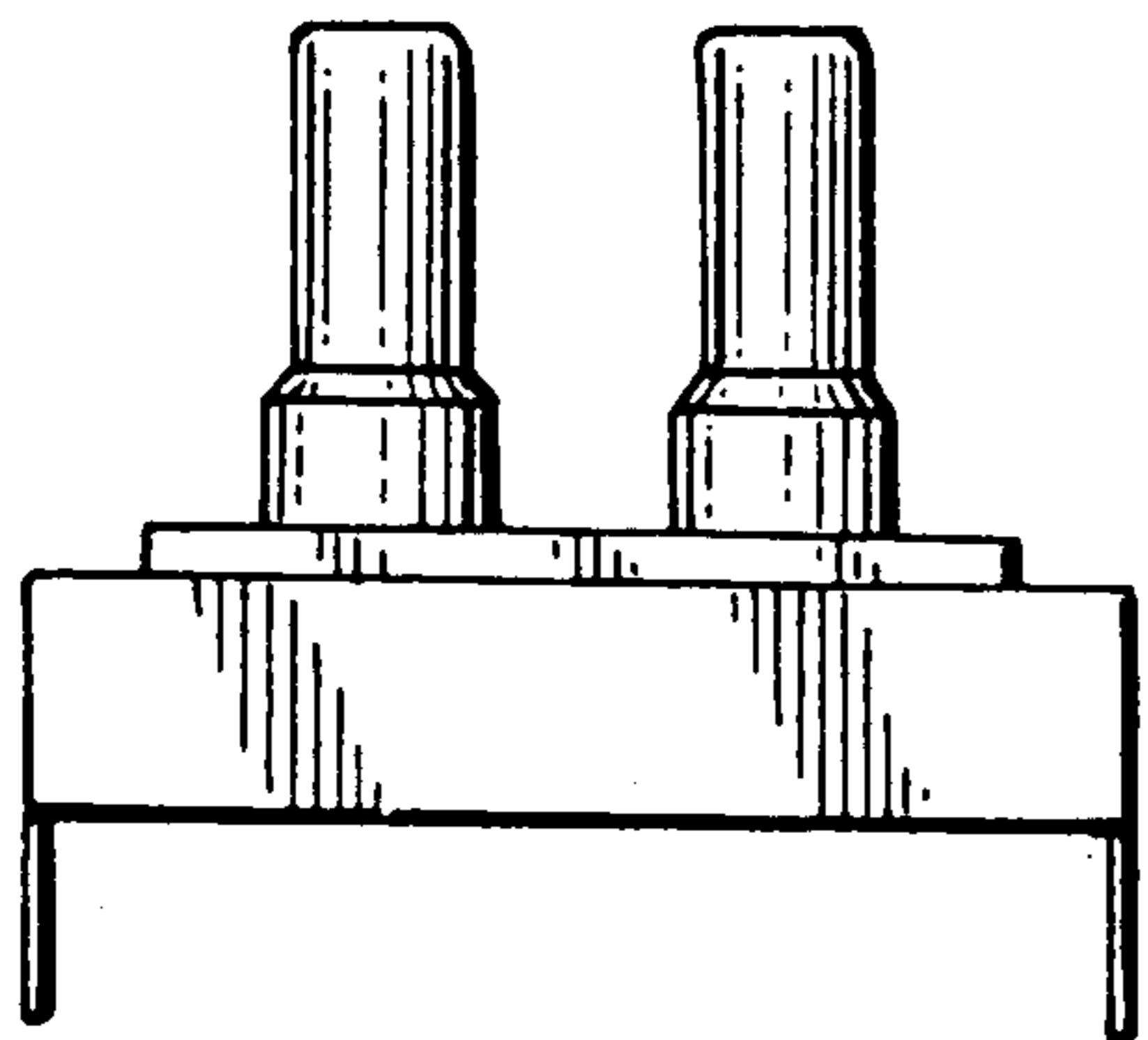
*Fig. 1*



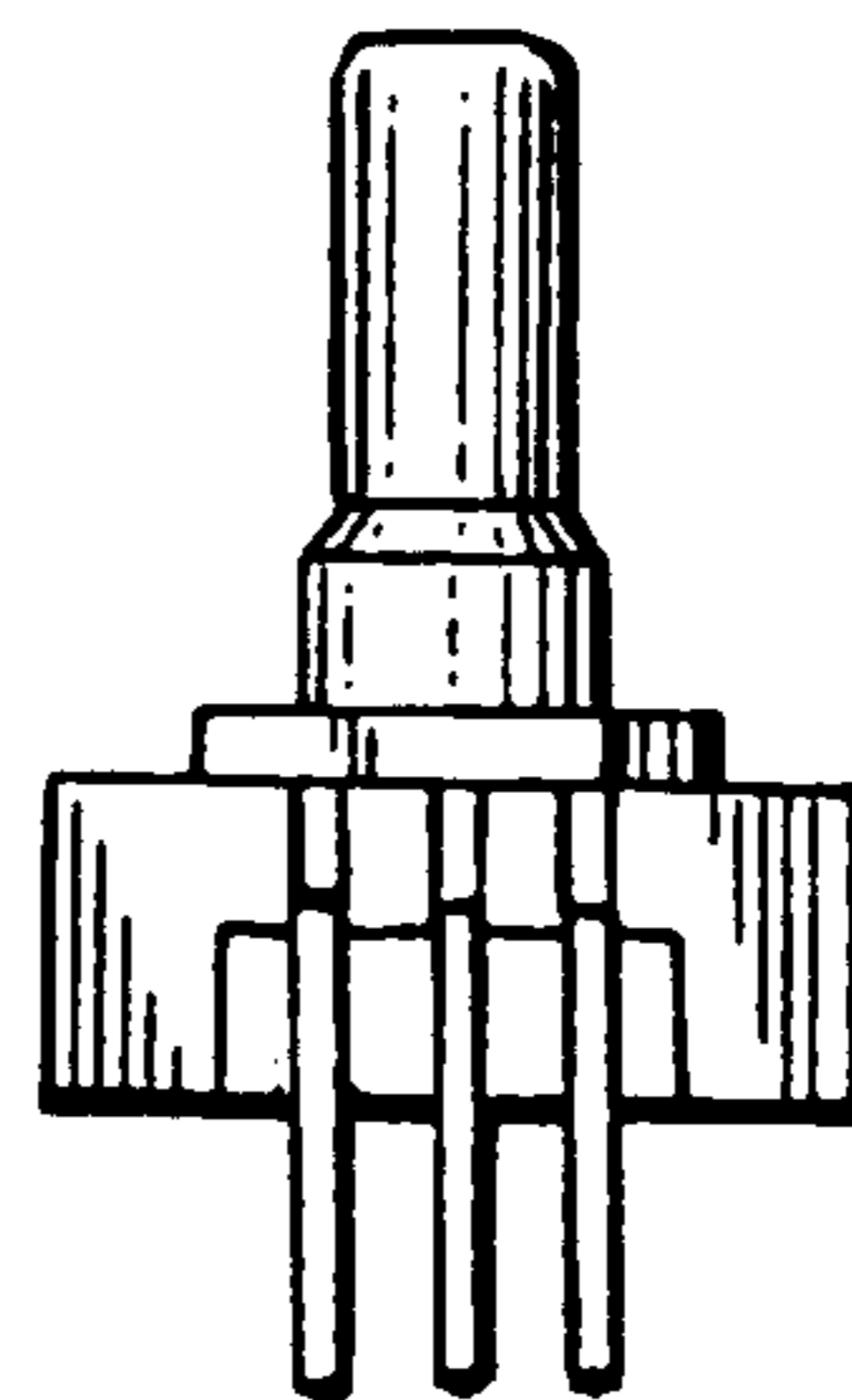
*Fig. 2*



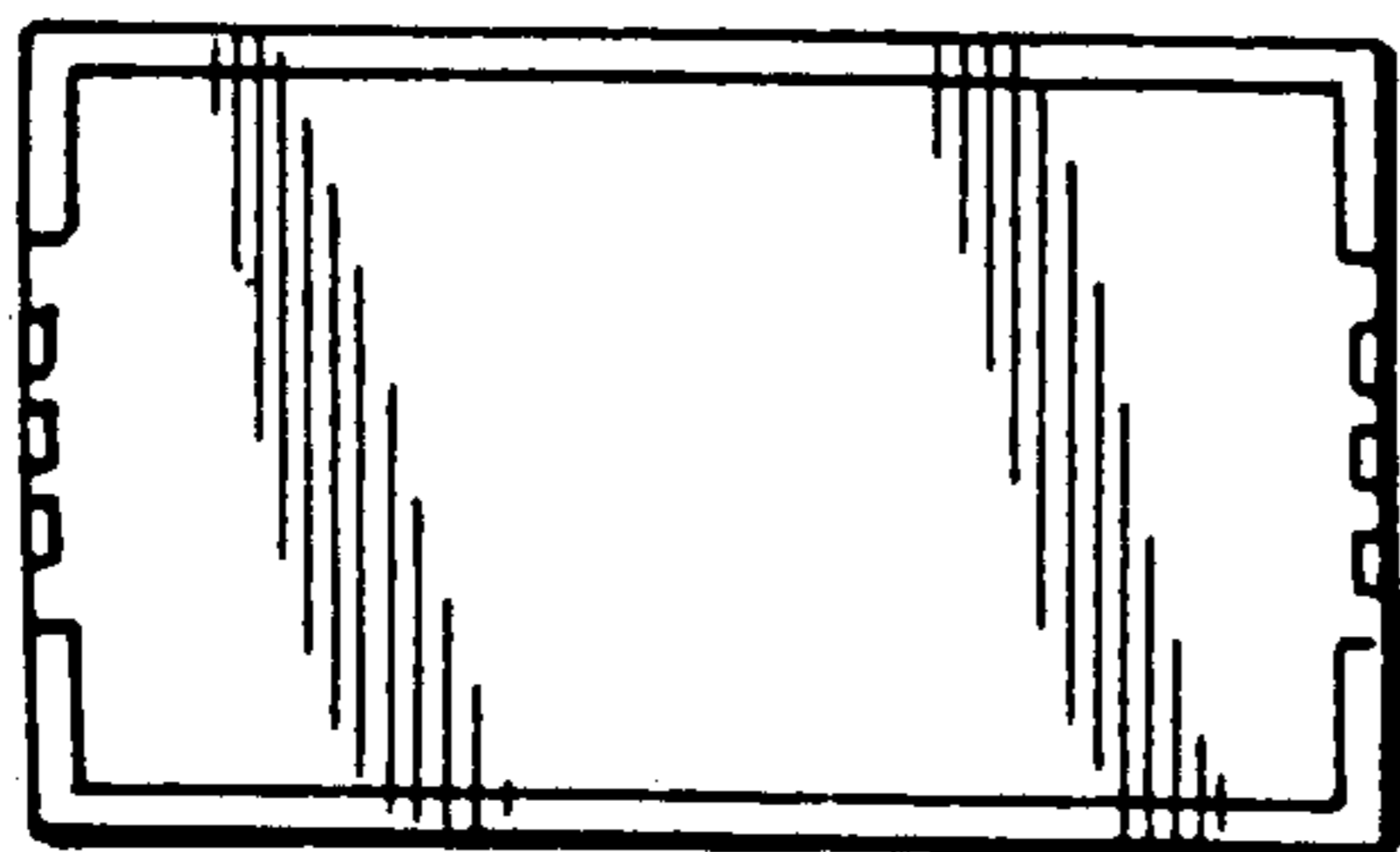
*Fig. 5*



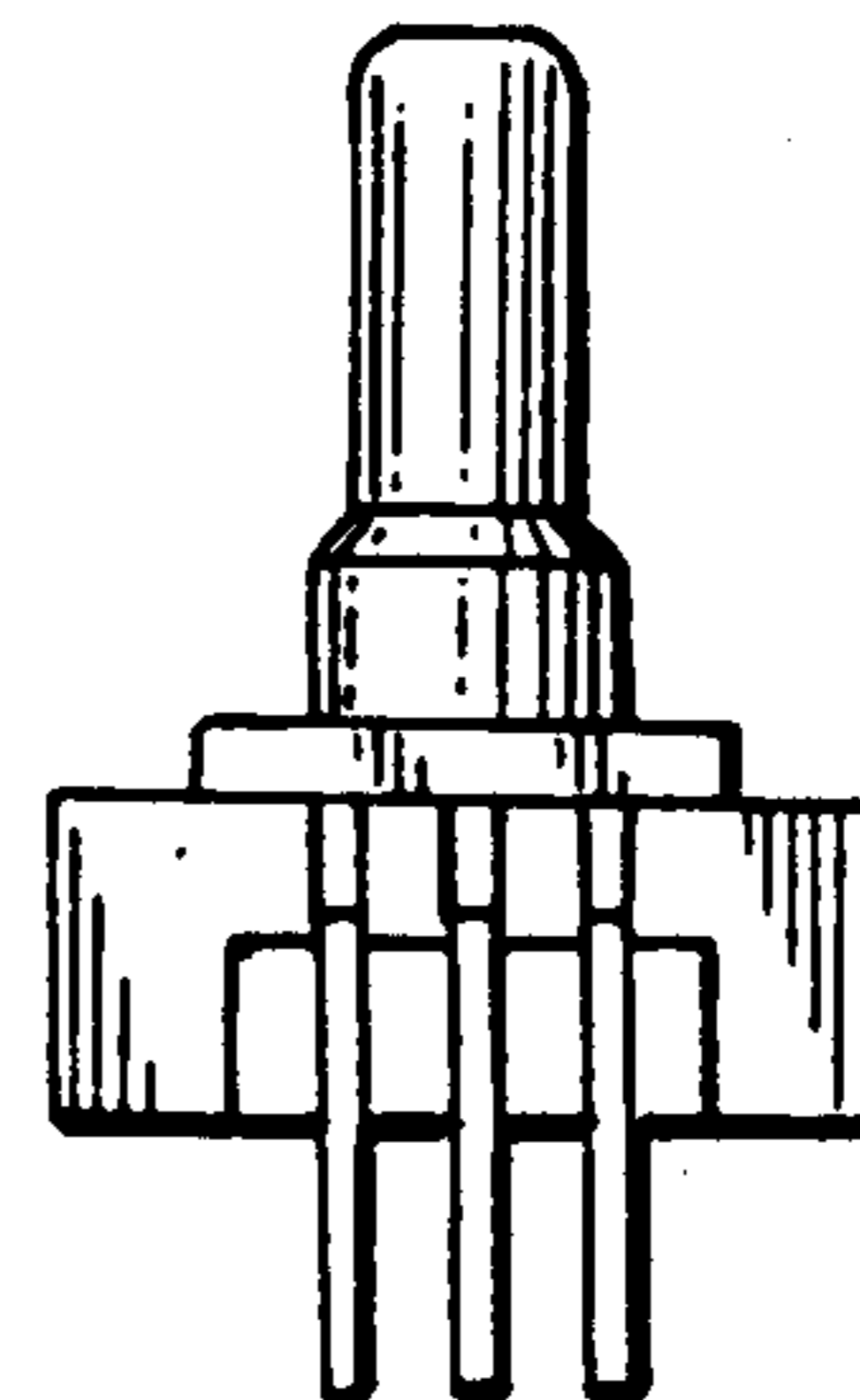
*Fig. 3*



*Fig. 6*

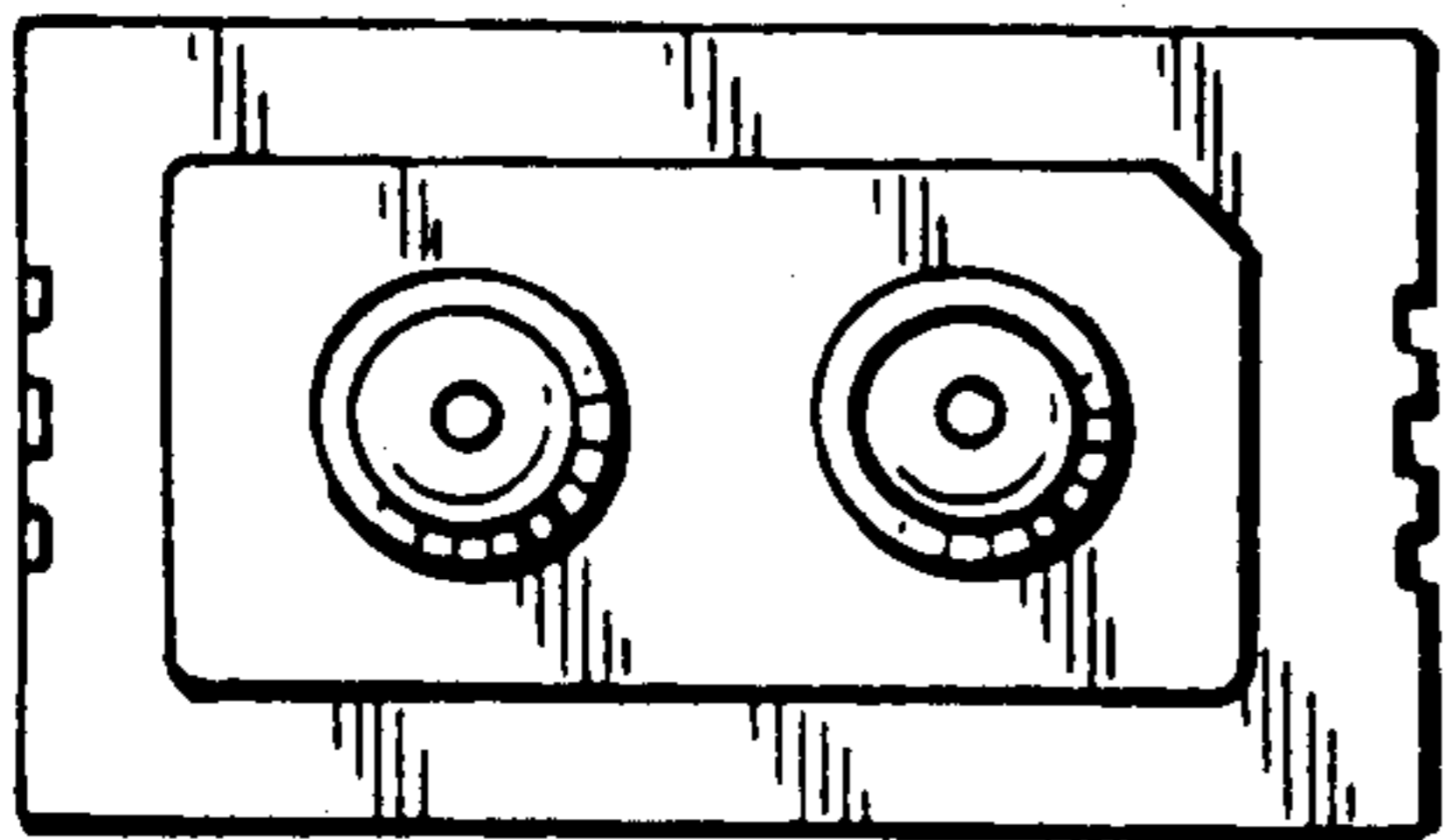
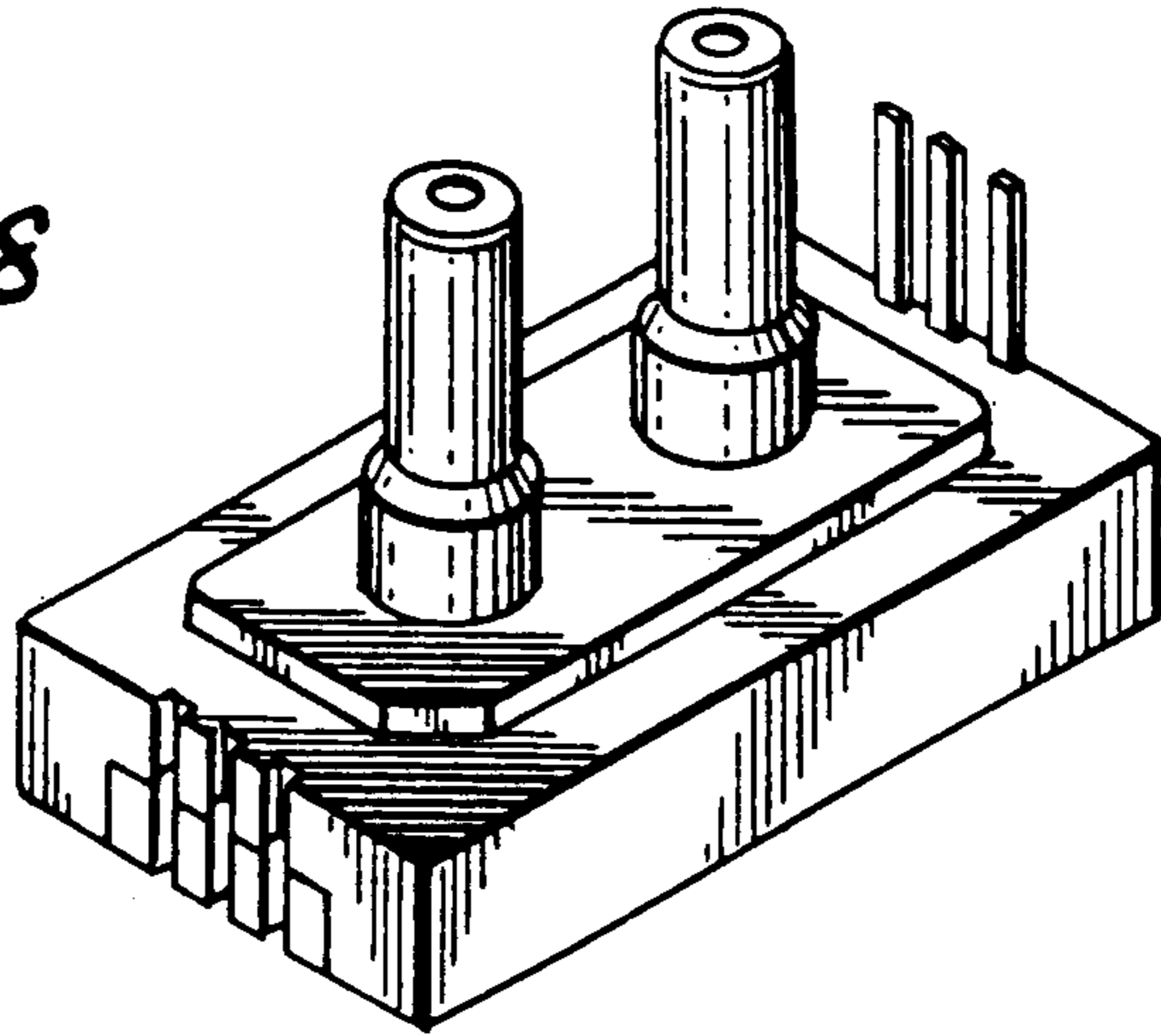


*Fig. 4*

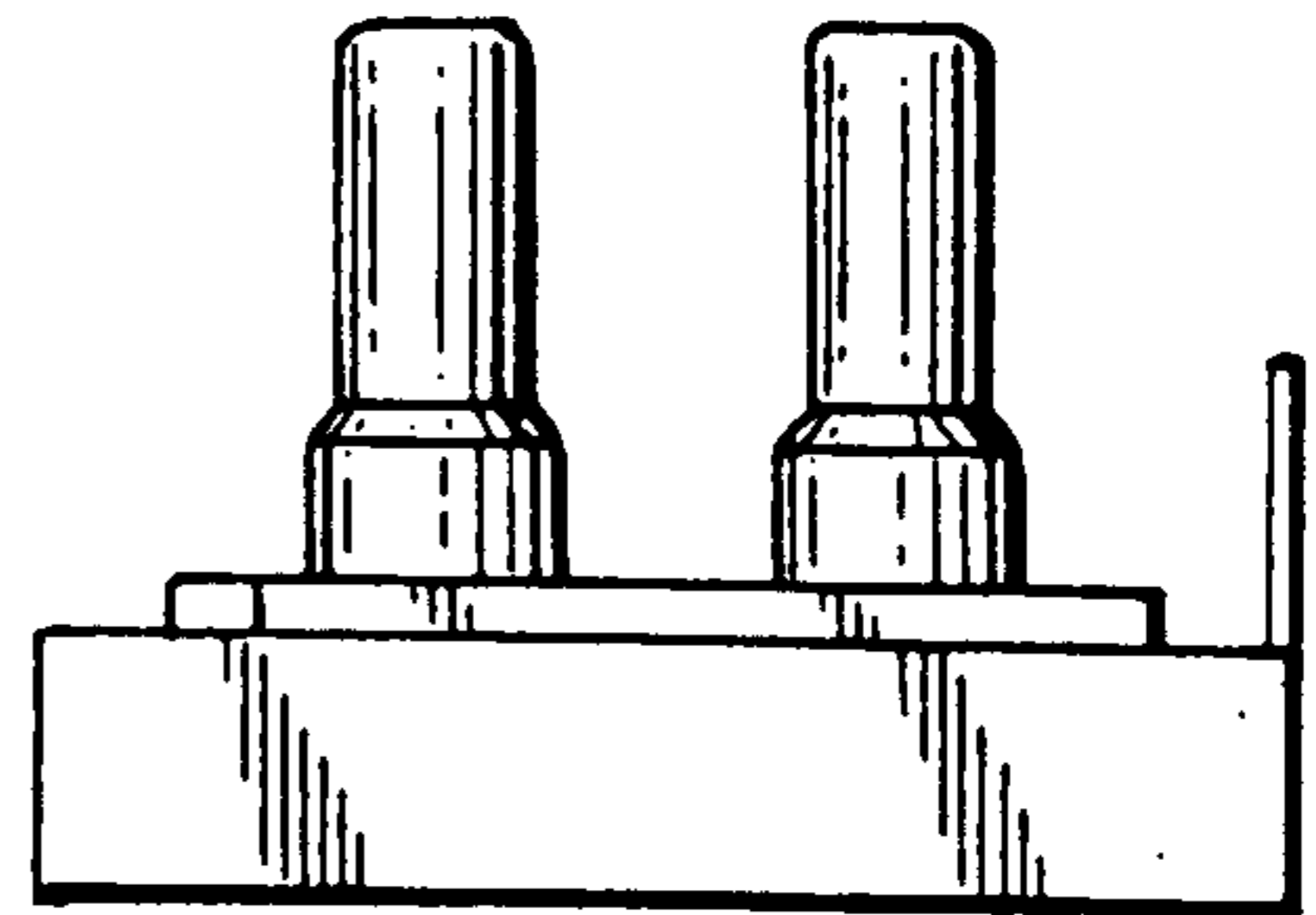


*Fig. 7*

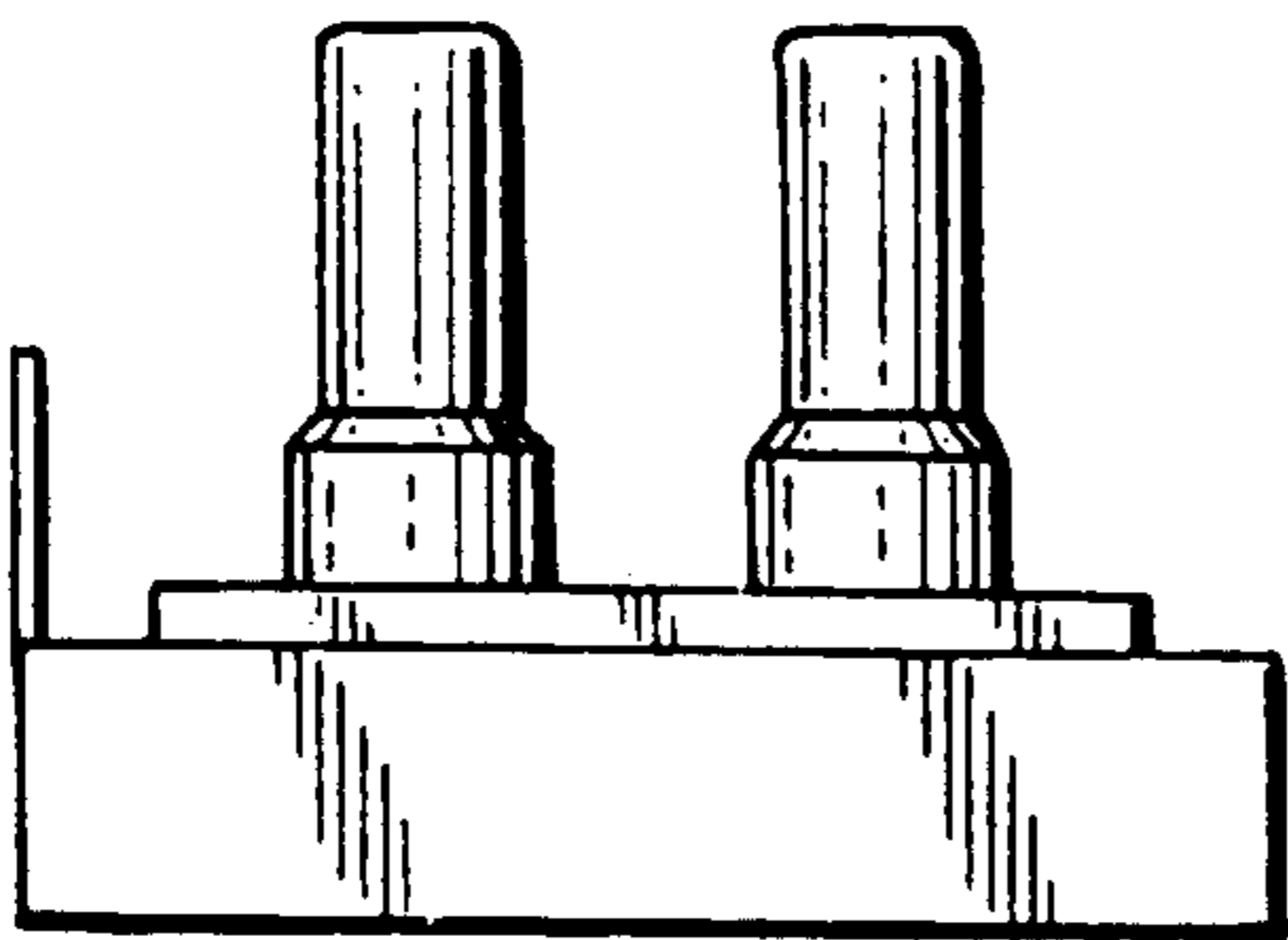
*Fig. 8*



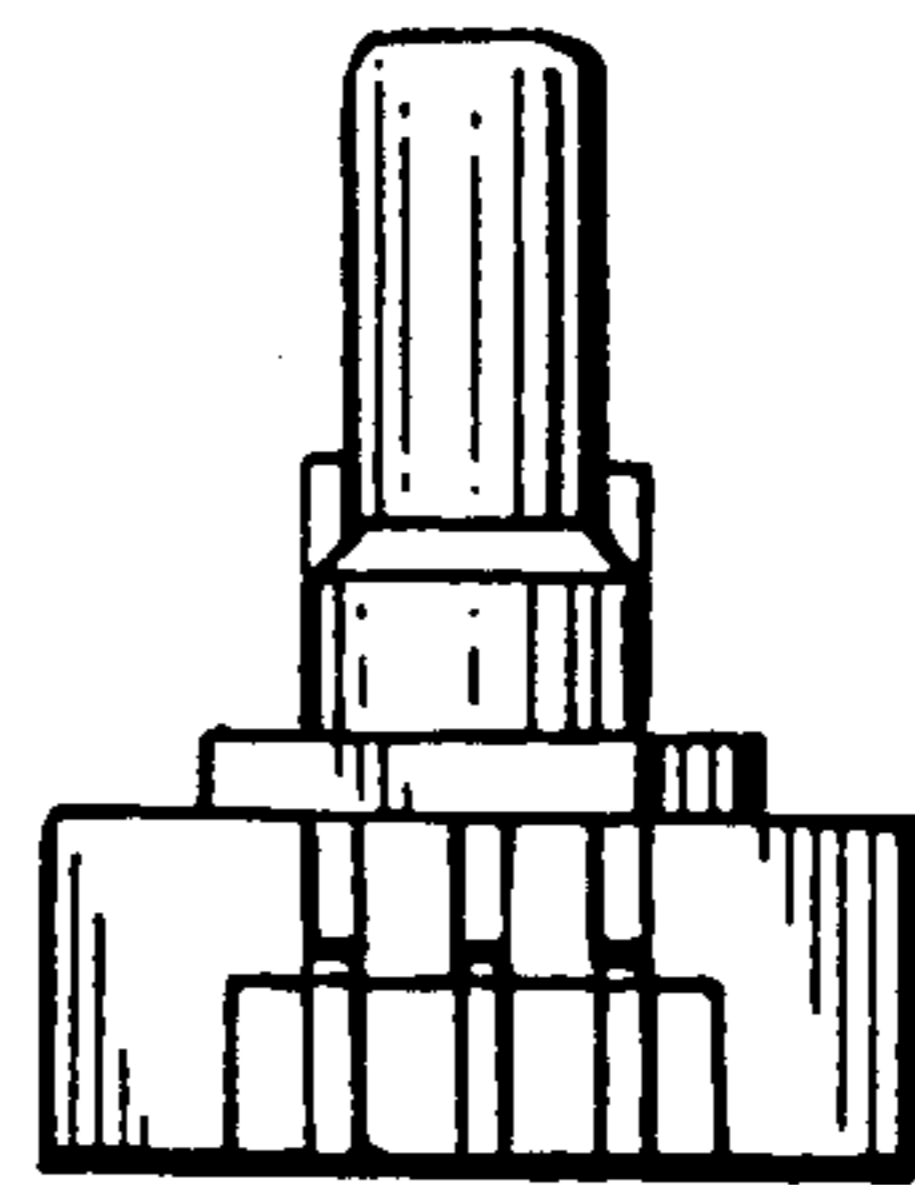
*Fig. 9*



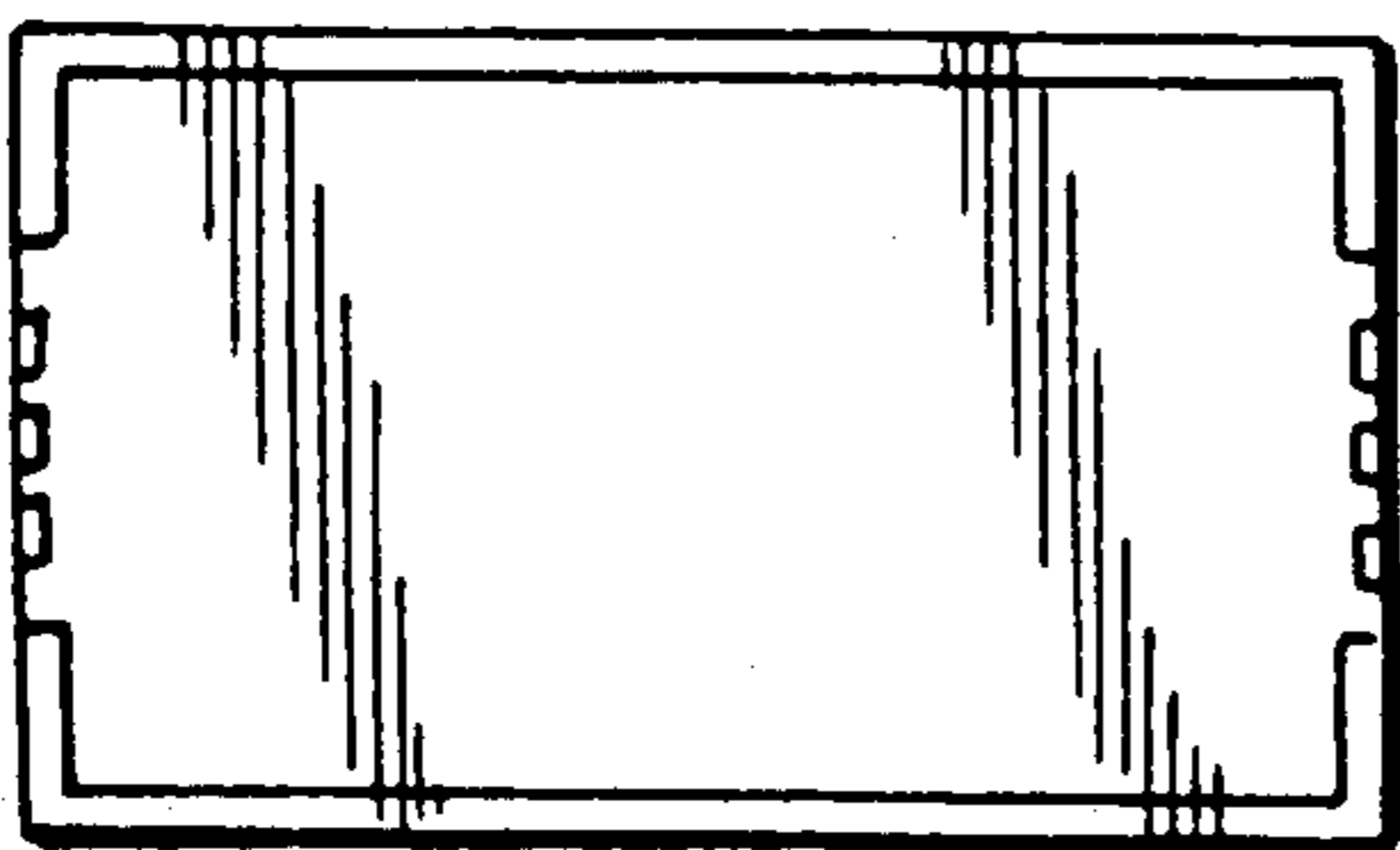
*Fig. 12*



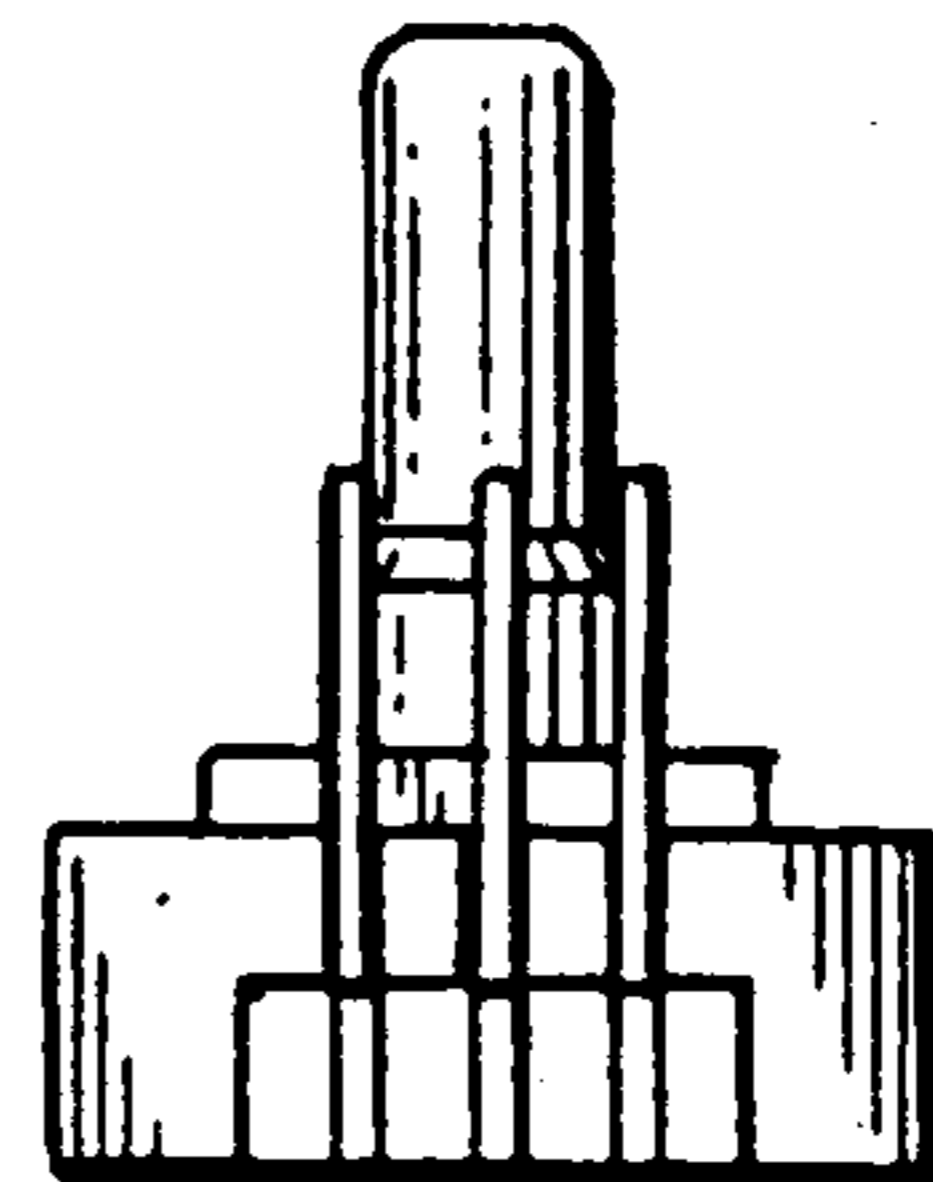
*Fig. 10*



*Fig. 13*

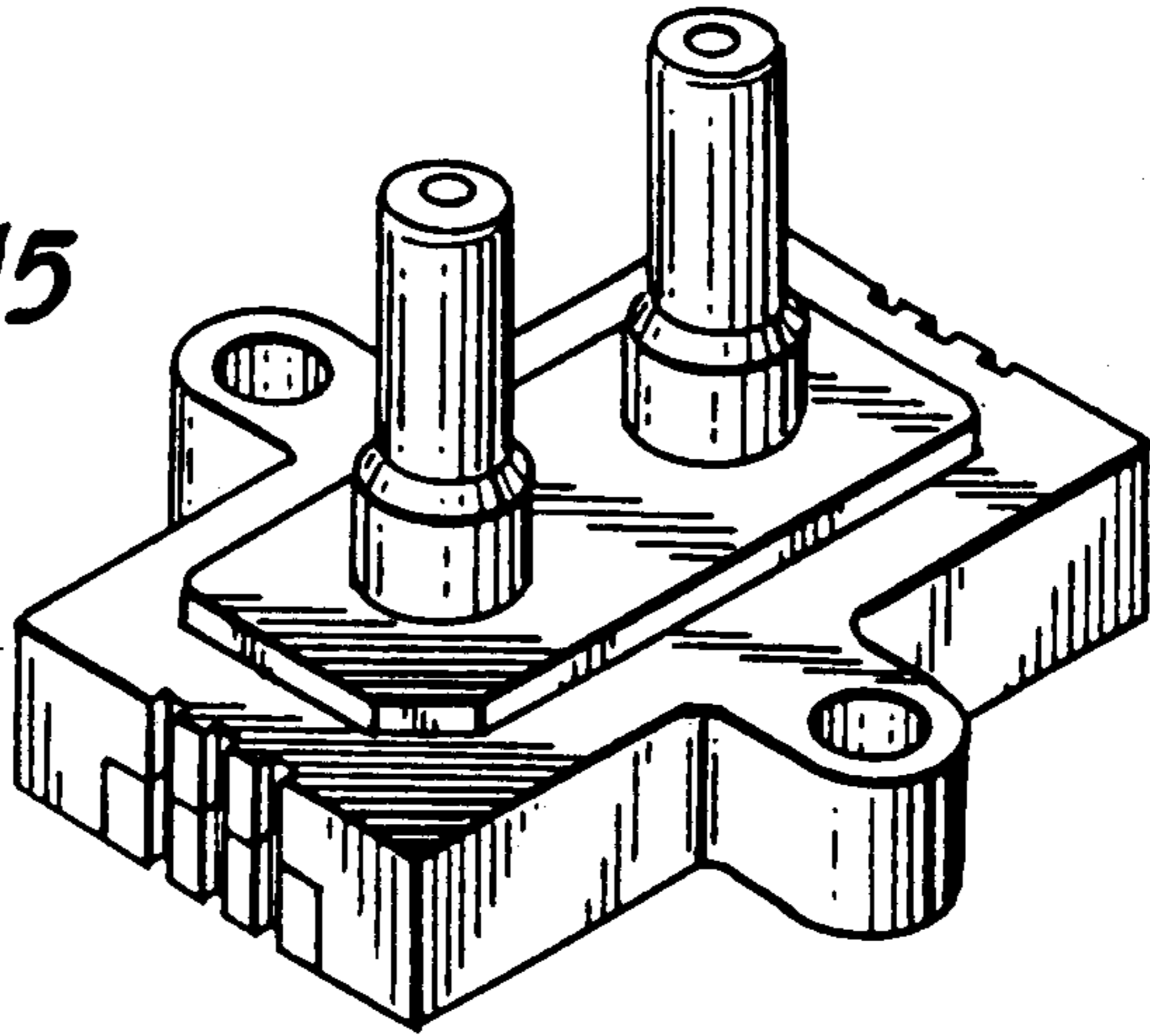


*Fig. 11*

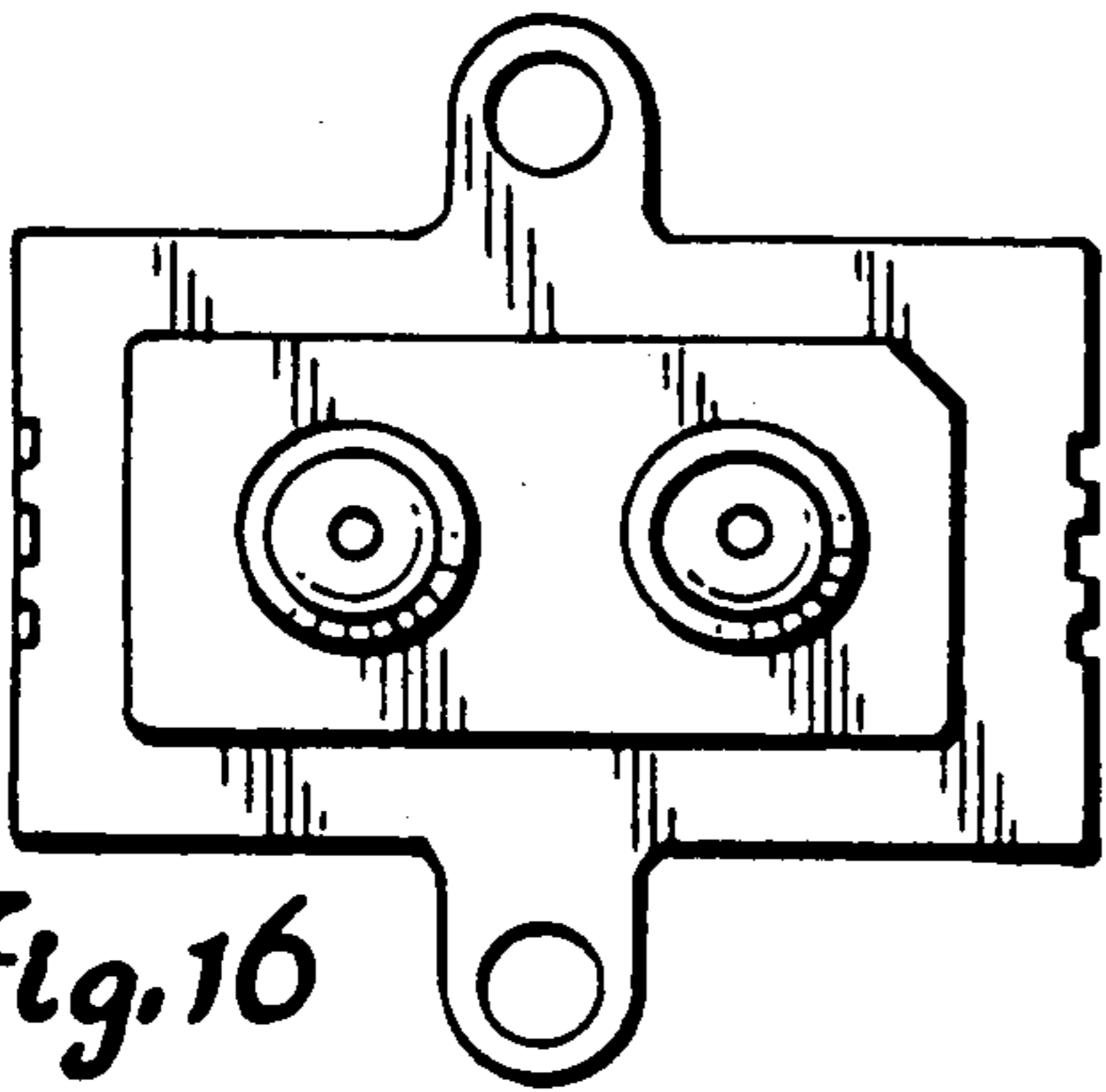


*Fig. 14*

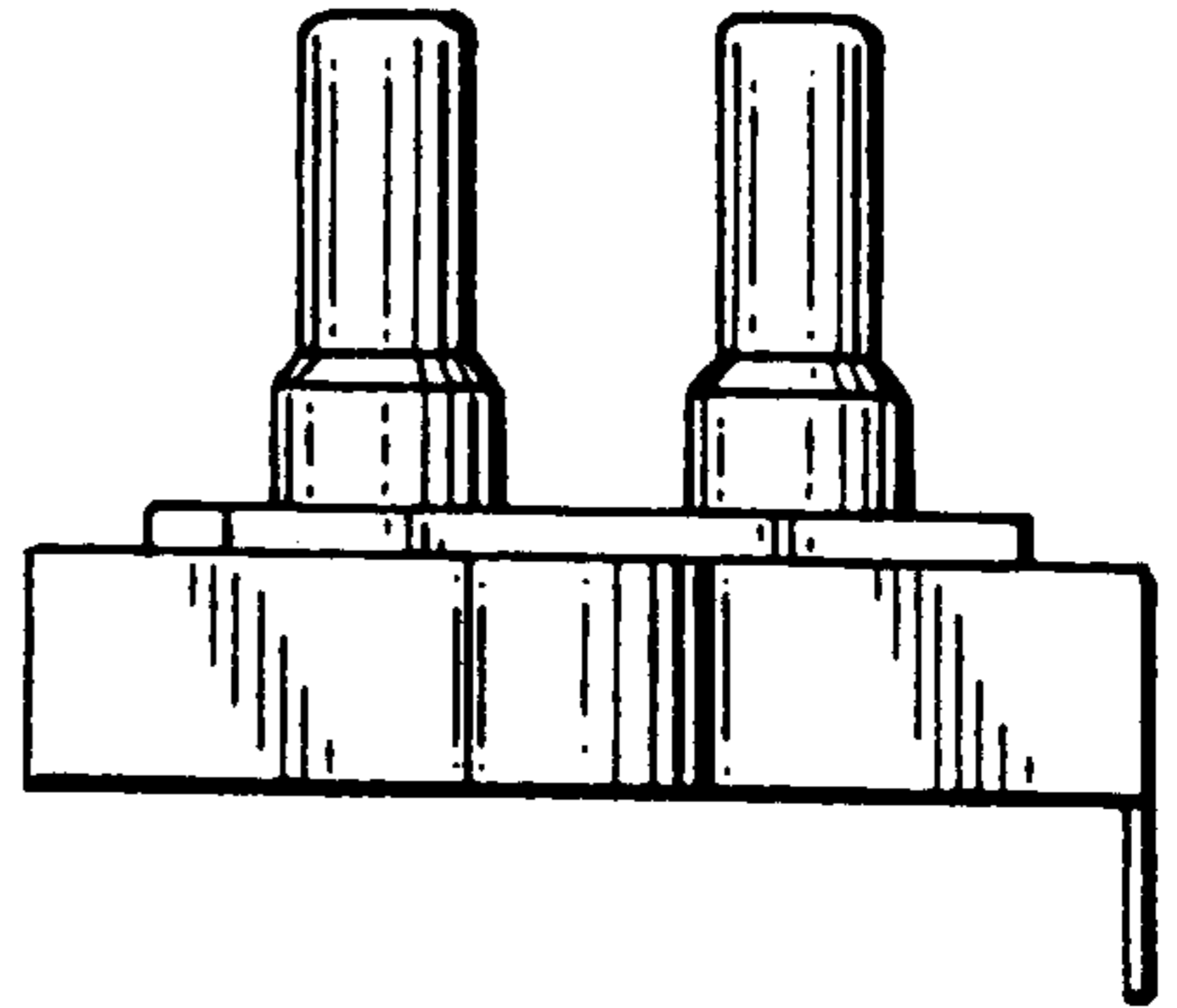
*Fig. 15*



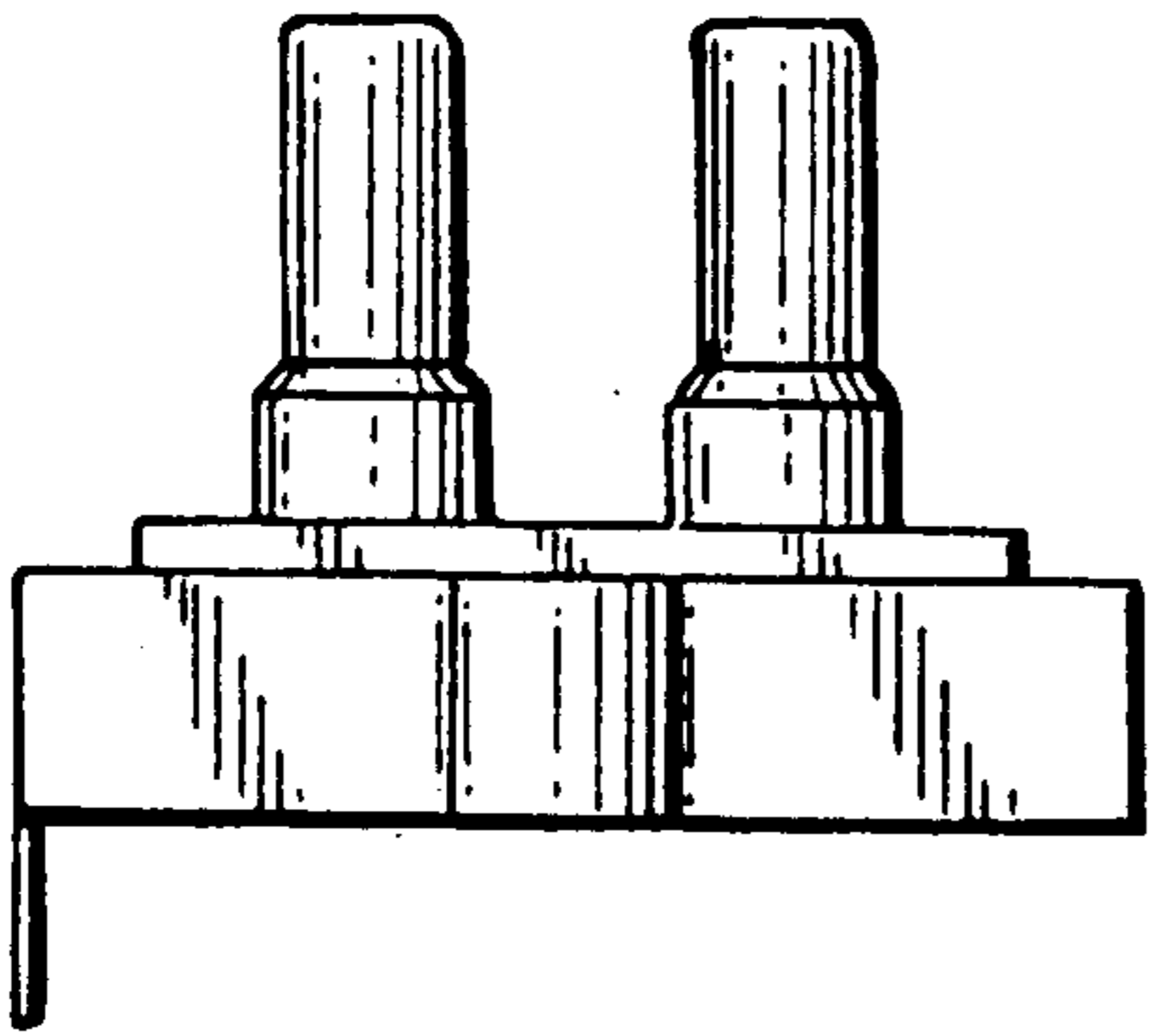
*Fig. 16*



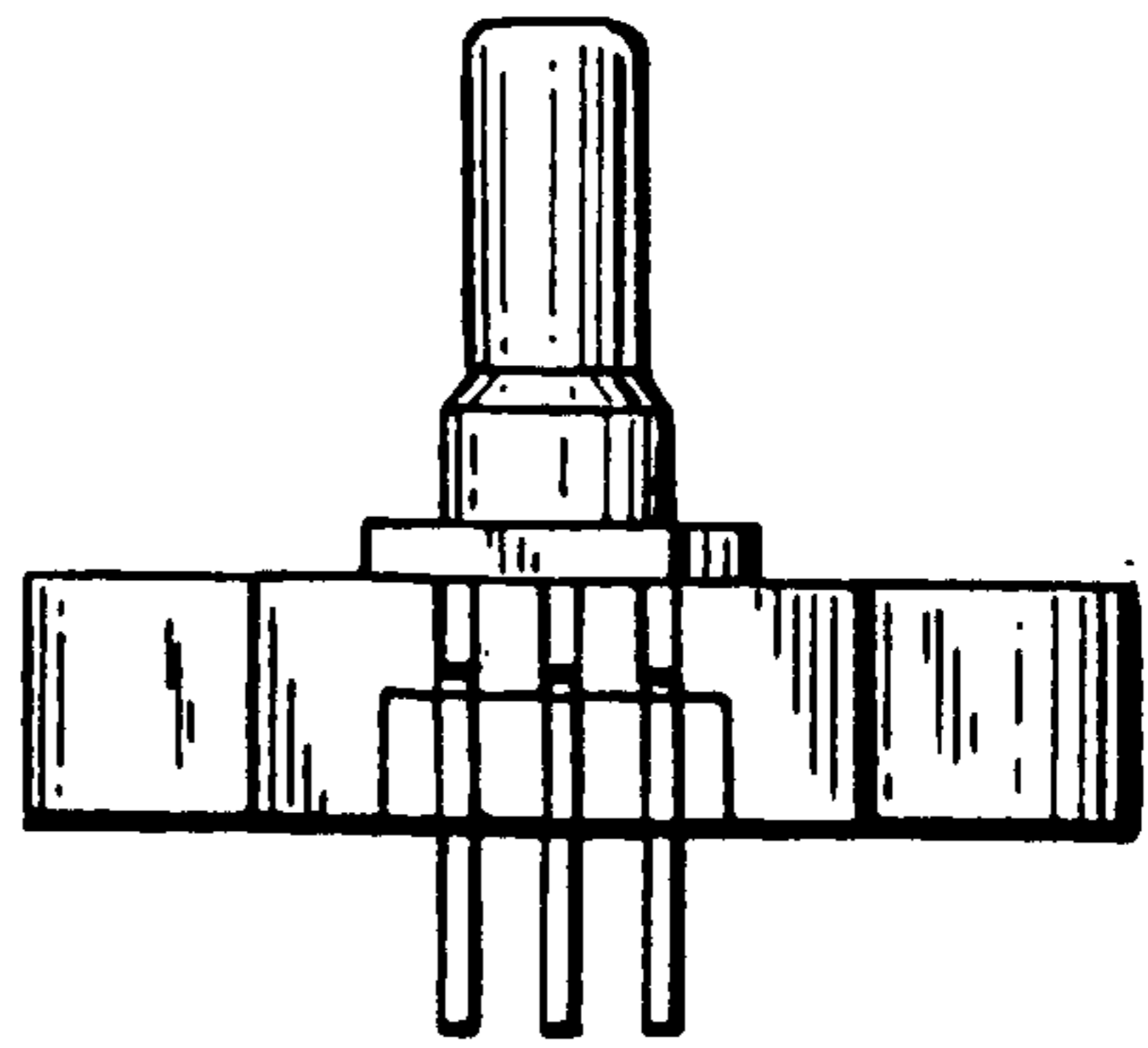
*Fig. 19*



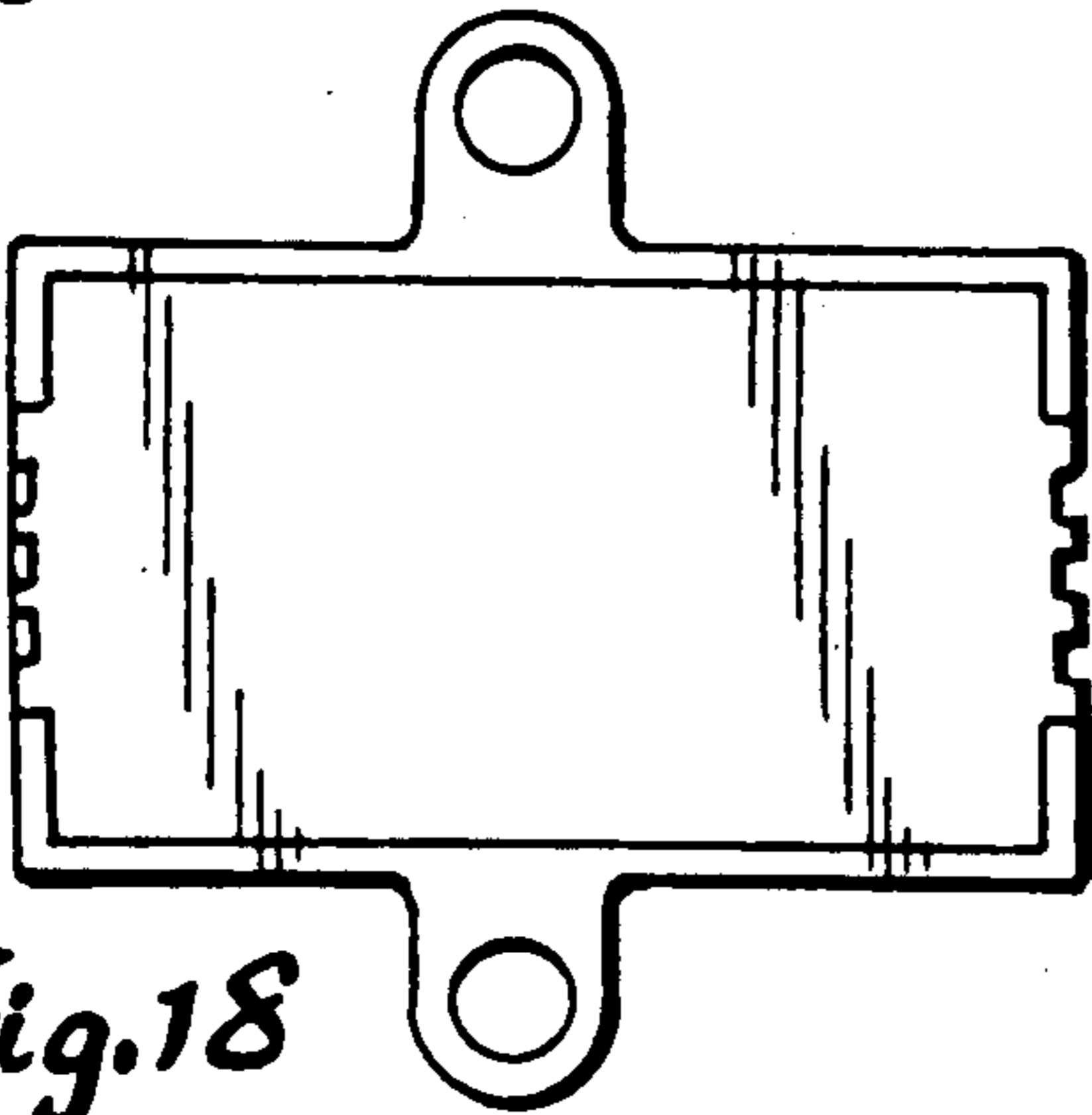
*Fig. 17*



*Fig. 20*



*Fig. 18*



*Fig. 21*

