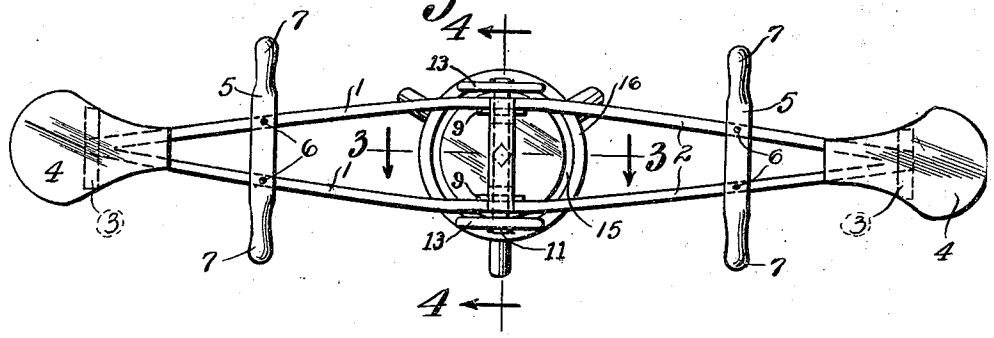
I. M. JACOBS AND W. CRAMER.

TEETER-TOTTER.

APPLICATION FILED JULY 12, 1920.

1,426,082. Patented Aug. 15, 1922.

Fig. 1.



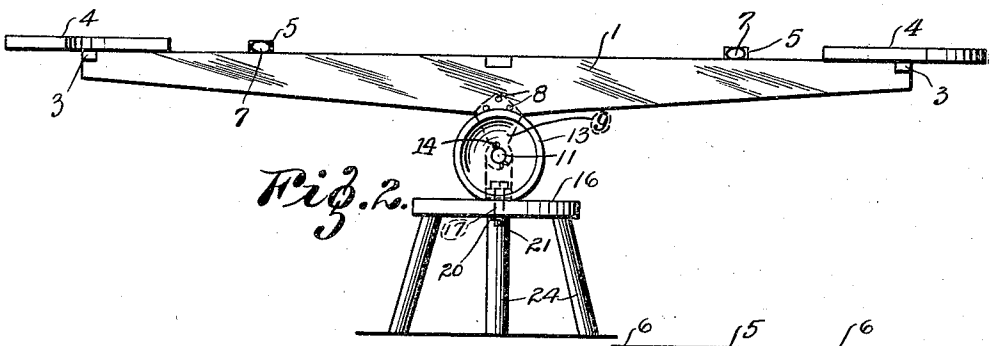
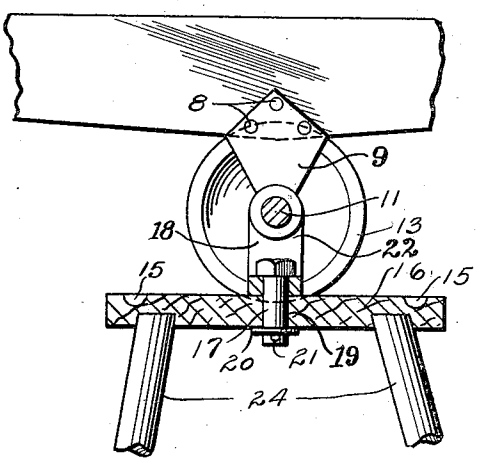


Fig. 2.

Fig. 3.



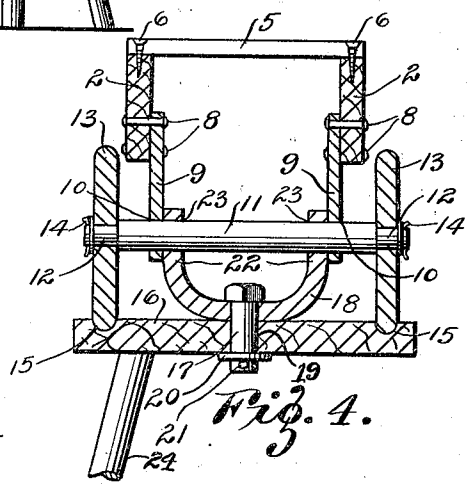


Fig. 4.

Inventors:
Isidor M. Jacobs
William Cramer
By Hugh K. Wagner,
Atty.

UNITED STATES PATENT OFFICE.

ISIDOR M. JACOBS, OF KANSAS CITY, AND WILLIAM CRAMER, OF ST. LOUIS, MISSOURI, ASSIGNORS TO TRUCK, TRACTOR, AND MANUFACTURING COMPANY, OF ST. LOUIS, MISSOURI, A CORPORATION OF MISSOURI.

TEETER TOTTER.

1,426,082. Specification of Letters Patent. Patented Aug. 15, 1922.

Application filed July 12, 1920. Serial No. 395,667.

To all whom it may concern:

Be it known that we, ISIDOR M. JACOBS and WILLIAM CRAMER, citizens of the United States, residing, respectively, at the city of Kansas City, in the county of Jackson and State of Missouri, and at the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Teeter Totters, of which the following is a specification.

This invention is a teeter-totter and is so constructed as to permit simultaneous rotation and seesawing.

Its especial advantages are simplicity of construction, durability, and cheapness of manufacture.

In the accompanying drawings forming part of this specification, in which like numbers of reference denote like parts wherever they occur,

Figure 1 is a top plan view;

Figure 2 is a side elevation;

Figure 3 is a sectional view on the line 3—3 in Figure 1; and

Figure 4 is a sectional view on the line 4—4 in Figure 1.

The beam 1 is composed of a pair of bowed members 2, the ends of which are socketed in cleats 3 fastened to the underneath side of seats 4. Seats 4 are preferably shaped more or less like bicycle seats and may be such, in fact, or mere wooden members.

The handles 5 are attached by screws 6 to the top of members 2, and are provided with rounded and smoothed handholds 7.

The members 2 are attached by bolts 8 to castings 9, which are pierced by holes 10, through which passes shaft 11. Thus, the teeter-totter is pivoted on shaft 11 and adapted to rock thereon in seesaw fashion.

The diameter of shaft 11 is reduced at its ends to form the trunnions 12. Wheels or rollers 13 are mounted on trunnions 12 and held thereon by cotters 14.

Wheels 13 are adapted to run in groove 15 in the top surface of table 16.

Kingbolt 17 fastens casting 18 to table 16, itself passing through a hole 19 in table 16, and being held by washer 20 and cotter 21.

Casting 18 is in the shape of a U or fork having the arms 22, which are pierced by holes 23, through which passes shaft 11.

Table 16 will be supported by legs 24 or any other suitable means.

Thus, it is seen that the beam 1 is adapted to teeter on the shaft 11 and to rotate on the kingbolt 17, so as to have a simultaneous seesawing and rotary motion. The said rotary motion may be either clockwise or anti-clockwise.

Shaft 11 constitutes a unitary connection for the beam, both for the teeter and rotary motion. The same remark is true, also, of casting 18. Casting 18 connects the beam 1 to the base or table 16 in a manner permitting both rotary and seesaw motion simultaneously. So, also, does shaft 11. The two combined do so also.

The handles 5 assist in bracing the structure composing the beam 1 and comprising the bowed members 2.

Having thus described this invention, we hereby reserve the benefit of all changes in form, arrangement, order, or use of parts, as it is evident that many minor changes may be made therein without departing from the spirit of this invention or the scope of the following claims.

We claim:

1. The combination of a base, a kingbolt, a rotatable casting fastened to the said base by the said kingbolt, the said base having a groove, a shaft passing through the said casting, wheels mounted thereon and adapted to run in the said groove, a pair of castings through which the said shaft passes, and a beam attached to the said last-mentioned castings.

2. A seesaw comprising a base, a rotatable support thereon, said base having an annular groove in its upper surface, a shaft journaled in said support, a beam pivoted to the shaft, and wheels carried by the shaft arranged to travel in said groove and adapted to partly sustain the weight of the beam.

3. A seesaw comprising a base, a rotatable support thereon presenting spaced arms, a shaft journaled in said arms with the ends of the shaft projecting, wheels mounted on the projecting ends of the shaft and arranged to travel on the base, and a beam pivotally connected to the shaft at points on the latter, located between the wheels and the arms of said support.

4. A seesaw comprising a base, a rota-

table support thereon, a beam, members depending from the beam, a pivot connecting said support and members whereby the beam is permitted to have rocking and swinging movement relative to the base and wheels carried by the pivot adapted to travel on the base.

5. A seesaw comprising a base, a shaft carrying wheels arranged to travel on the base, a beam pivotally supported by the shaft, and means on the base supporting the shaft between said wheels and assisting the latter in sustaining the weight of the beam.

6. A device as described in the preceeding claim in which the said means consists of a U-shaped member rotatable on the base and receiving the shaft through the arms thereof.

In testimony whereof we hereunto affix our signatures.

ISIDOR M. JACOBS.
WILLIAM CRAMER.