

(No Model.)

W. J. RAPPOLD.
DRUM AND CYMBAL PEDAL OR BEATER.

No. 516,612.

Patented Mar. 13, 1894.

fig. 4.

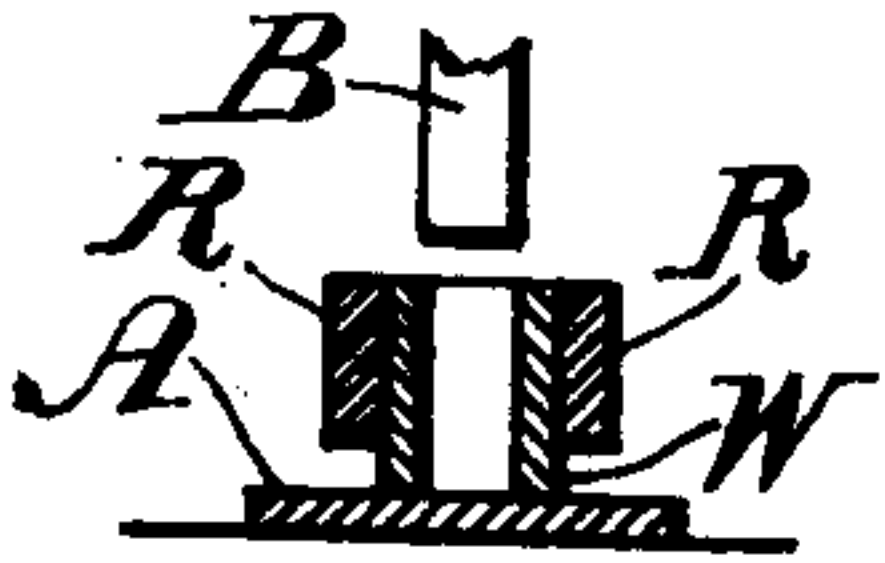


fig. 1.

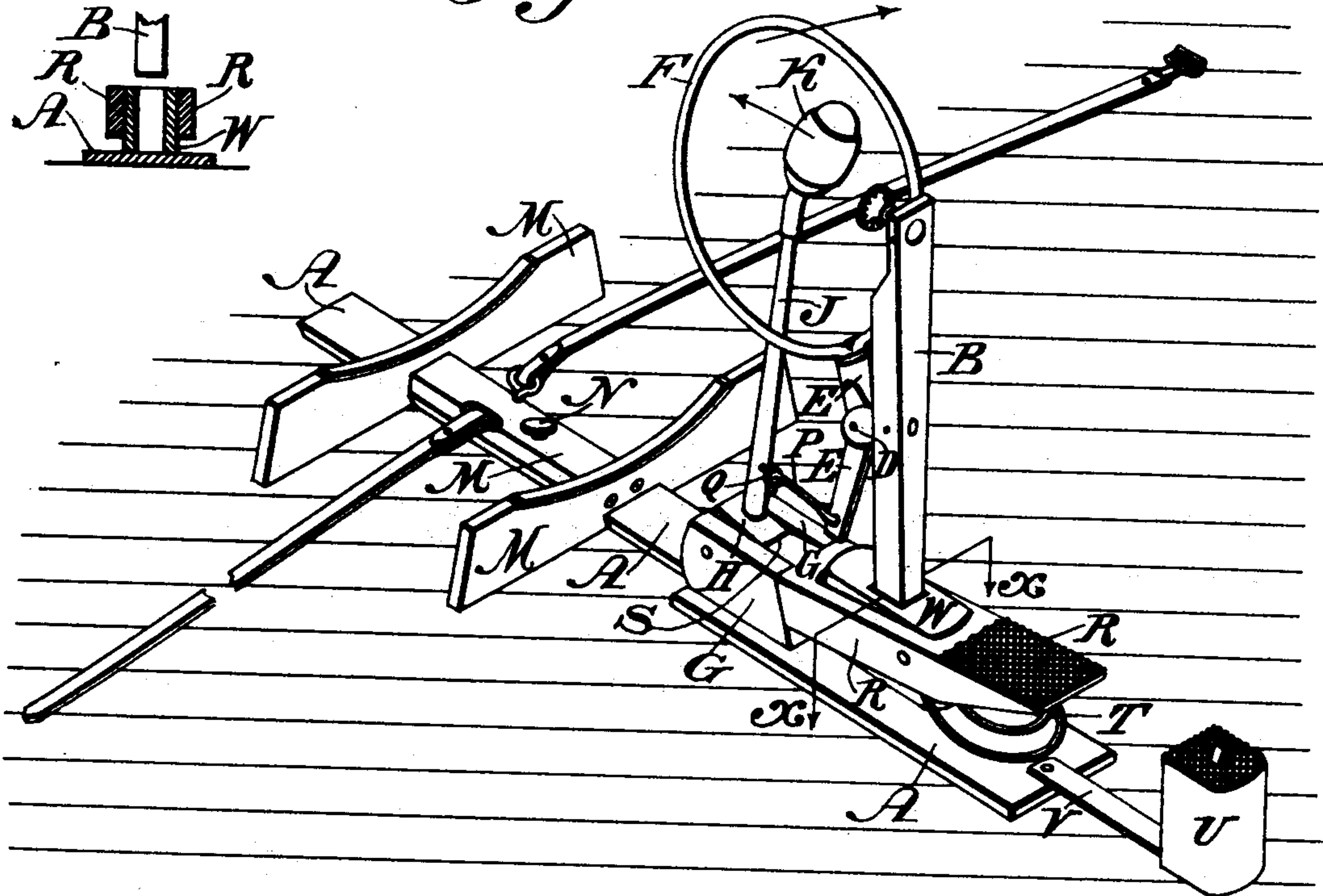
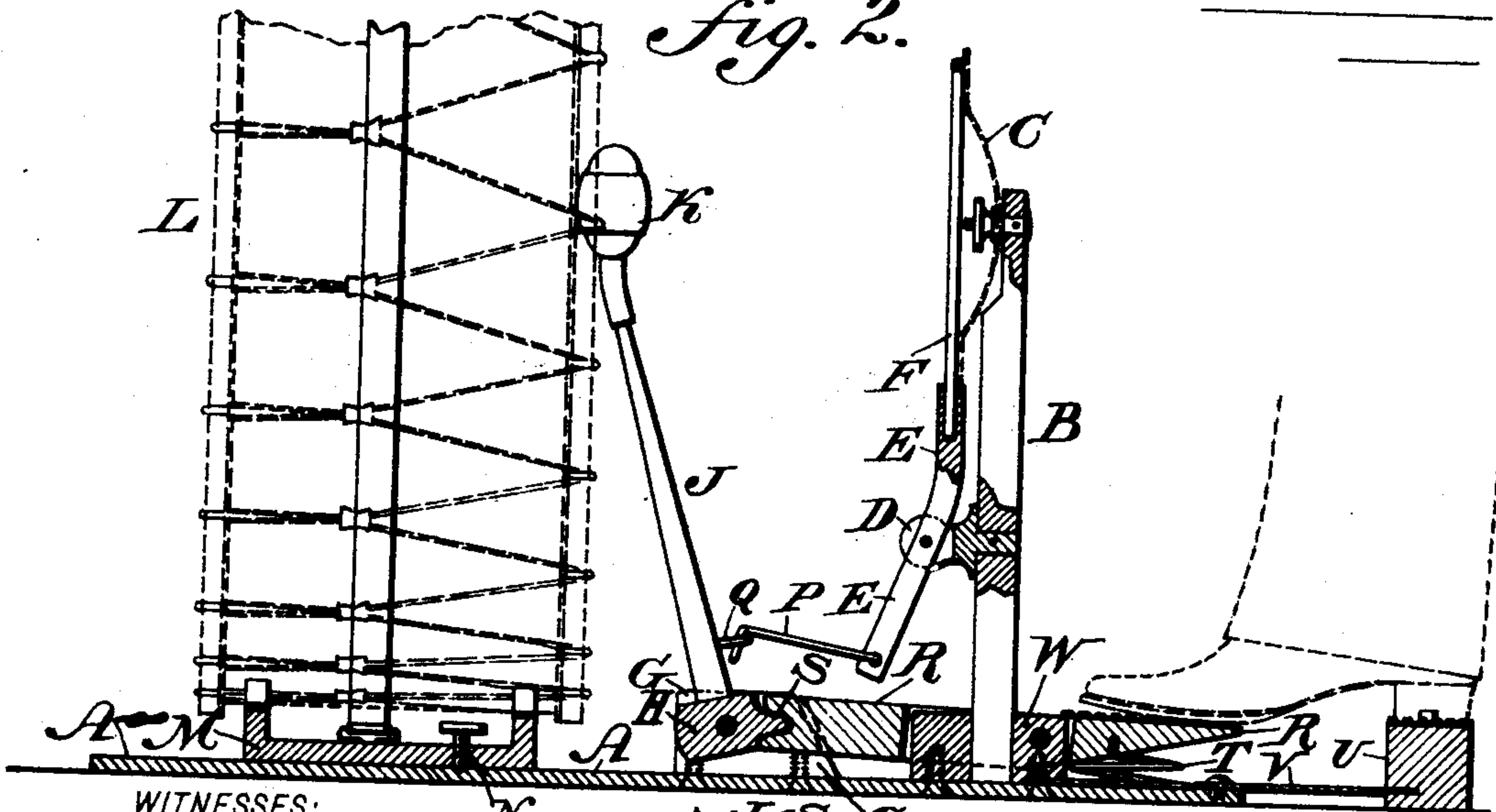
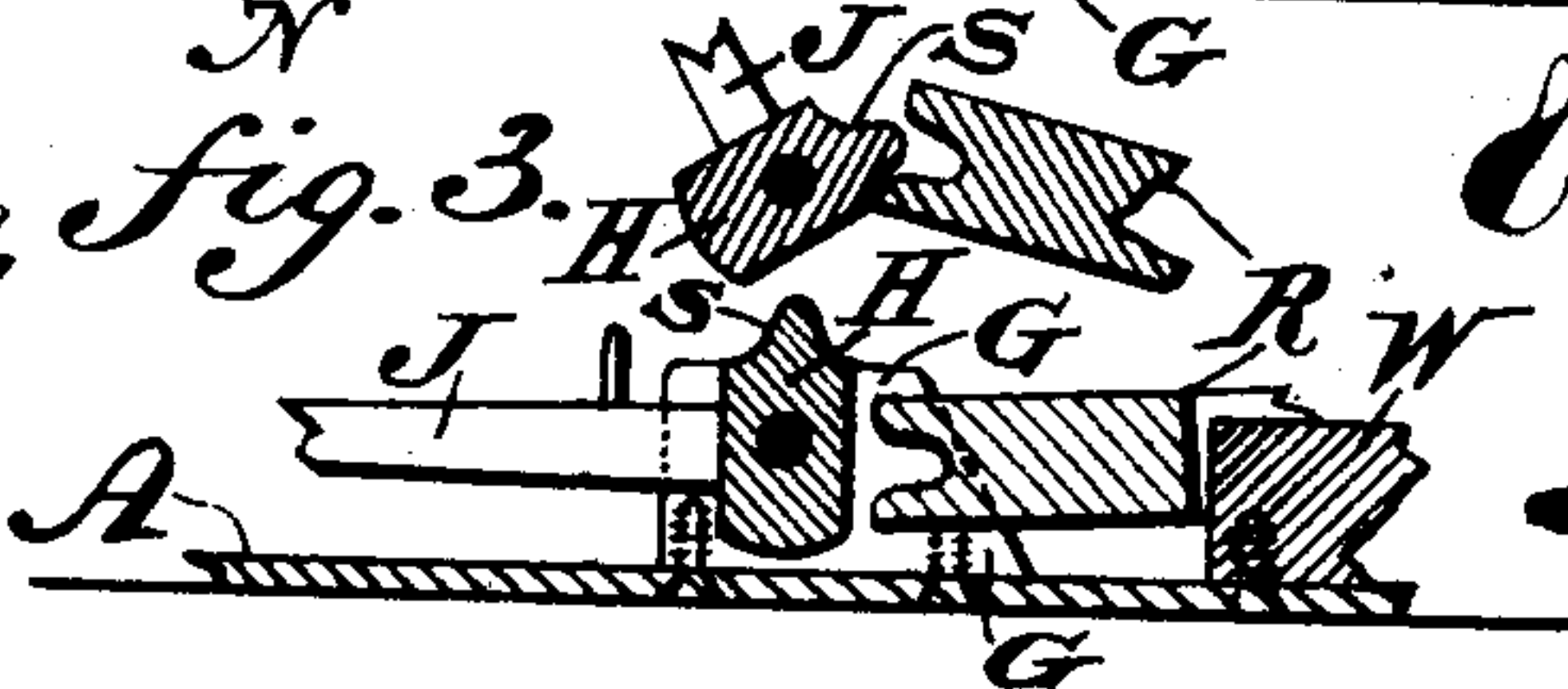


fig. 2.



WITNESSES:

L. Douville, fig. 3.
P. H. Ingle.



INVENTOR
William J. Rappold
BY
John A. Gleditsch
ATTORNEY.

UNITED STATES PATENT OFFICE.

WILLIAM J. RAPPOLD, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
JAMES W. PEPPER, OF SAME PLACE.

DRUM AND CYMBAL PEDAL OR BEATER.

SPECIFICATION forming part of Letters Patent No. 516,612, dated March 13, 1894.

Application filed April 28, 1893. Serial No. 472,164. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. RAPPOLD, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Drum and Cymbal Pedals or Beaters, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a novel device whereby a drum and cymbal may be simultaneously beaten.

It also consists of an adjustable stand for the drum.

It also consists of the construction of the parts, whereby they may be folded in compact form.

Figure 1 represents a perspective view of a drum and cymbal beater embodying my invention. Fig. 2 represents a partial side elevation and partial longitudinal vertical section thereof. Fig. 3 represents vertical sections, showing the knuckle or knuckle joint of one of the beaters, and the operating treadle thereof. Fig. 4 represents a transverse vertical section of a portion on line x, x , Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings: A designates a base from which rises the standard B, to which may be secured a cymbal C, shown in dotted lines in Fig. 2. Connected with said standard B is an ear D, on which is mounted the lever E, whose upper end carries the beater F for said cymbal C, the beater in the present case being of the form of a ring.

Rising from the base A, is an ear G on which is mounted the rocking block or arm H, to which latter is secured the drum stick or beater J, whose head K is adjacent to the drum L, and opposite to the cymbal beater. On the base A is a stand M, which is adapted to seat the drum thereon, the same being movable on the base so as to adjust the drum relatively to the head of the drum beater. A screw N is fitted in the bottom piece of the stand and adapted to engage with the base A so as to hold said stand in adjusted position.

The lower ends of the lever E and stick J

are connected by the hook P and eye Q, so that the motion of said stick may be communicated to said lever.

R designates a treadle which is mounted on the base A and has its forward end connected with the block H by a knuckle S formed of a tongue and groove, whereby the motion of the treadle may be imparted to said block. A spring T bears upwardly against the treadle for restoring the same and connected parts to their normal positions.

U designates a foot rest which is pivotally connected with the base A by means of a strap or bar V, so that said rest may remain in a right line with the tongue or be turned laterally or to the right or left, to suit the convenience and requirements of the player.

The operation is as follows: The treadle is depressed, whereby motion is imparted to the stick J, and consequently to the lever E, and thus the drum and cymbal are simultaneously beaten or struck. When the pedal is let-go, the parts assume their normal positions, it being evident that the operations of beating are accomplished in a simple, convenient and practical manner, besides being true or in time. In order to permit the parts of the device to be folded, the standard B is fitted in a socket W, which is secured to the base A, and the treadle R is mounted on said socket, it having an opening so as to be freely fitted over the same. The hook P is disconnected from the eye Q, and the block H and treadle R turned in such manner that the parts of the knuckle joint S are separated as shown in the upper part of Fig. 3. The stick J may now be lowered into horizontal, or nearly horizontal position, as shown at the bottom of Fig. 3, and the standard B may be withdrawn from the socket W and with its connected parts laid upon the treadle, &c., thus making a compact package, convenient for carrying, storing, &c.

It is evident that the drum may be transposed to the position of the cymbal, and vice versa. In this case the length of the lever and arm or stick, or the position of the instruments require to be adjusted relatively to the part to be beaten or struck.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A beater for a drum, and a beater for a cymbal, in combination with a treadle common to both beaters, whereby the latter may be simultaneously operated, substantially as described.
2. Two beaters, and a connection for the same, in combination with a treadle engaging one of the beaters, whereby both beaters may be simultaneously operated, substantially as described.
3. A standard detachably secured to a base, a lever carrying a beater and connected with an ear on said standard, a treadle mounted on the base, and a pivoted block connected with the treadle and with the arm carrying the said beater, said parts being combined substantially as described.
4. A beater and an operating treadle therefor, and a knuckle at the connection of said treadle and the axial portion of said beater, said parts being combined substantially as described.
5. In a drum or cymbal beater, a foot rest

connected with the base thereof by means of a bar which permits said rest to be turned laterally, substantially as described.

6. In a drum or cymbal beater, a base on which the operating mechanism of the same is mounted and a stand for the drum adjustably fitted on said base, substantially as described.

7. In a drum or cymbal beater, an instrument-supporting standard, a socket on the base removably receiving said standard, and an operating treadle for said beater, mounted on said socket, substantially as described.

8. A base with a standard thereon, a lever pivoted to said standard and carrying a beater, a treadle mounted on said base, a rocking block operated by said treadle, a drum stick on said arm, and means substantially as described for detachably connecting said lever and drum stick, said parts being combined substantially as described.

WILLIAM J. RAPPOLD.

Witnesses:

JOHN A. WIEDERSHEIM,
A. P. JENNINGS.