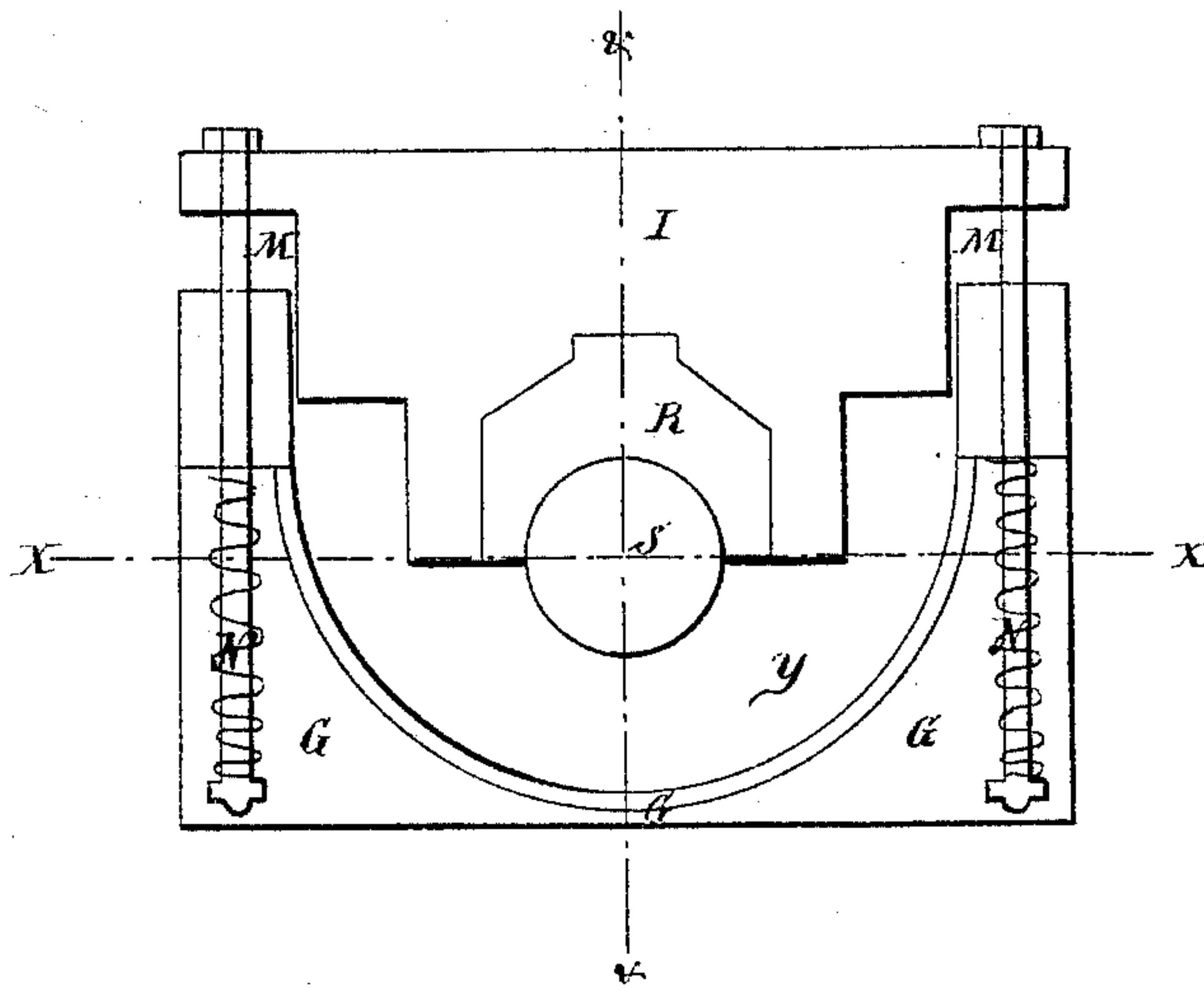


R. LEVINGTON.
Car-Axle Box.

No. 6,348.

Patented Apr. 17, 1849.

Fig. 1.



Sectional View

Fig. 2.

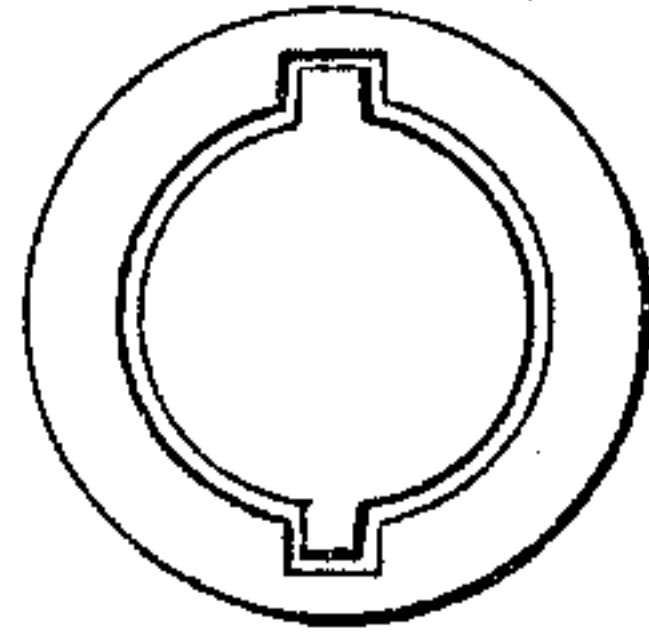
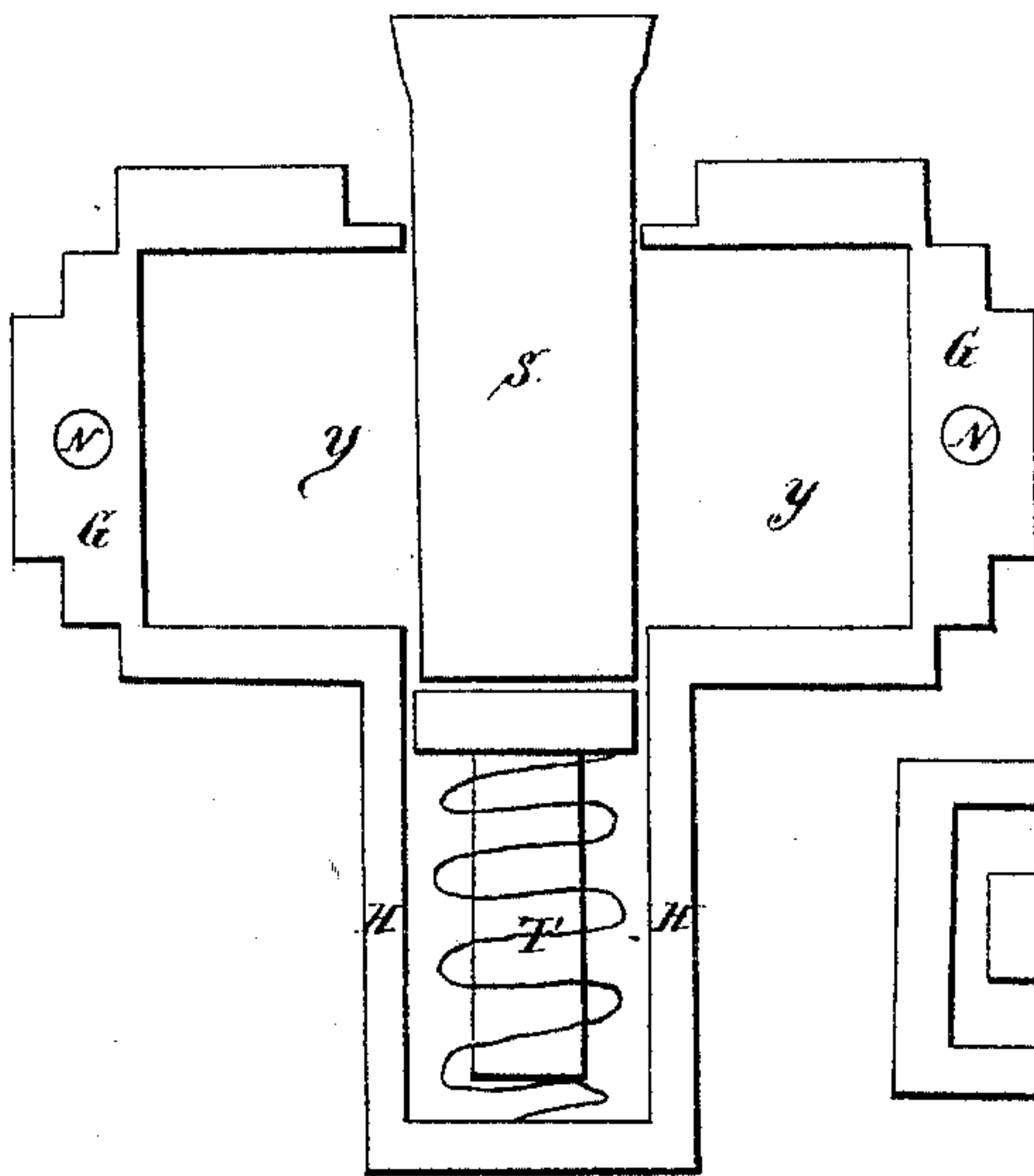
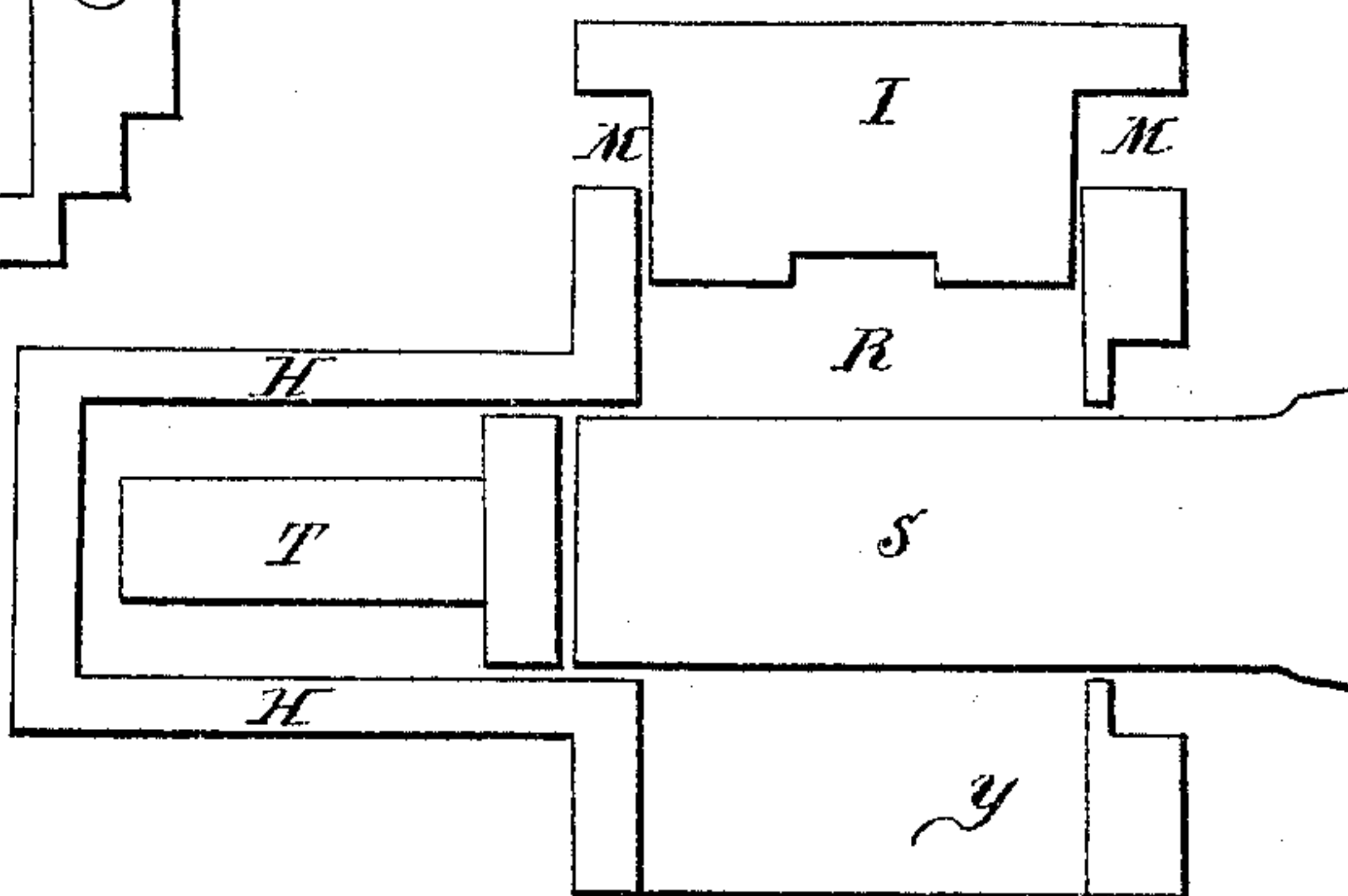


Fig. 3.



UNITED STATES PATENT OFFICE.

ROBERT LEVINGTON, OF MONROE, MICHIGAN.

BOX FOR RAILROAD-CARS.

Specification of Letters Patent No. 6,348, dated April 17, 1849.

To all whom it may concern:

Be it known that I, ROBERT LEVINGTON, of the city and county of Monroe and State of Michigan, have invented a new and Improved Mode of Constructing a Tight Oil-Cup for Railroad-Trucks; and I do hereby declare that the following is a full and exact description of same.

The nature of my invention consists in the cups being so constructed as to keep oil constantly around the journal, and at the same time show when the bearing box is worn out and needs replacing.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation referring to the accompanying drawings (as part of this specification) by letters A, B and C marked thereon and corresponding to different parts of the cup as thereon named in the different figures, Figure 1 being an end view of the cup. Fig. 2 a horizontal view showing the lower portion as cut through the center of Fig. 1 in line *—*. Fig. 3, a transverse rim showing one half of cup as cut through the center of Fig. 1 in line &—&.

I construct my oil cup of iron, placing it between the pedestals of a truck with an opening to receive the journal of the axle, on the outer side of the cup is a cylinder H for the purpose of conveying oil into cup and containing a spiral spring T against which the end of the journal S, of the axle

plays. On each side of the cup and fastened to same is a spiral spring N running up and fastened in the cap I for the purpose of crowding the cup up toward its cap I as fast as the composition bearing box R, resting on the journal S, is worn by said journal S. Between the projections of the cap I (on which the weight of the car rests) and the outer sides and end of the oil cup is a space M of the same width as the thickness of the composition bearing box, which space closes gradually (by means of said springs N) as fast as the box is worn by the journal of the axle S, thereby showing that the box needs replacing when the space becomes entirely closed. The cup is made tight by means of packing placed around the journal when it enters the cup and also between the cylinder and cup. The composition bearing box is made tight to the under side of cap I and rests upon the journal of the axle S.

What I claim as my invention and desire to secure by Letters Patent is—

The combination of the tight oil cup with the axle, so constructed that said cup shall be constantly crowded up toward its cap I as the composition bearing box is worn by the axle S, thereby indicating the condition of said box by the space, M, becoming closed.

ROBERT LEVINGTON.

Attest:

F. JOHNSON,
JAS. B. MAN.