

P. F. SCHNEIDER.  
Cartridge Box.

No. 73,549.

Patented Jan'y 21, 1868.

Fig. 3.

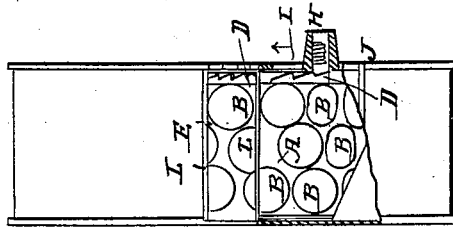


Fig. 1.

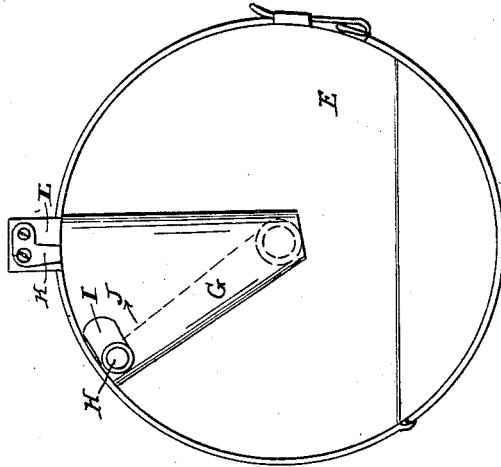
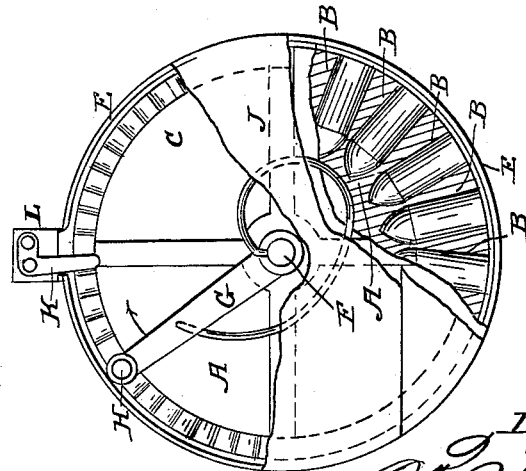


Fig. 2.



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# United States Patent Office.

PAUL F. SCHNEIDER, OF HARTFORD, CONNECTICUT, ASSIGNOR TO HIMSELF, W. H. D. CALLENDER, AND B. C. ENGLISH.

Letters Patent No. 73,549, dated January 21, 1868.

## IMPROVEMENT IN CARTRIDGE-BOX.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, PAUL F. SCHNEIDER, of Hartford, in the county of Hartford, and State of Connecticut, have invented a new and useful Improvement in Cartridge-Boxes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention relates to that class of cartridge-boxes adapted to fixed metallic cartridges, as well as those so-called "skin-cartridges," and also the cartridge for the ordinary "muzzle-loading gun;" and the cartridge-box embraced in this invention consists of a disk or wheel, provided with a series of sockets in and around its periphery, at equal distances apart, which sockets extend in radial lines from the periphery towards the centre, and are each of sufficient depth and size to receive a metallic cartridge, or others before mentioned, with its head outward or at the periphery of the wheel, but flush, or nearly so, therewith, in combination with a suitable casing or box to such wheel, in which the wheel is so hung as to freely turn, and thus enable each one of its cartridge-sockets to be brought, in regular order and succession, in line with an opening or slot in the periphery or edge of the casing, through which, by holding such portion of the casing down, the cartridge on the socket then corresponding thereto can be discharged from the wheel, and so on for the whole series or number of cartridges therein, by simply rotating the wheel sufficiently to bring each one of its series of cartridge-sockets in proper position therefor. In accompanying plate of drawings, my improvements in cartridge-boxes are illustrated—

Figure 1 being a view of one side of the box.

Figure 2, a view showing one side of the casing for the cartridge-box, partially broken out, and a portion of the cartridge-socket disk or wheel in section; and

Figure 3, an edge view of the cartridge-box, with a portion of its exterior casing broken out, and also in partial section.

Similar letters of reference indicate like parts.

A, in the drawings, represents a circular wheel or disk, which, in the present instance, is made of a solid block or piece of wood, but may be made of metal as well, and also many other materials, care being taken to have it as light in weight as possible, but yet strong. In the periphery of this wheel a series of sockets, B B, is made, extending in radial lines from the periphery inward and toward the centre, which sockets are at equal distances apart, and are arranged in three parallel rows, but with the centres of the sockets of the several rows out of line with, but at equal distances from, each other, each and every socket of the several rows being of the same size and shape, and corresponding to that of the cartridges which are to be inserted therein, one to each socket, so that they will closely fit, with their flanged ends outward, or at the periphery of the wheel, and flush, or nearly so, therewith, and also applies to other cartridges, as above mentioned. This wheel A, upon one side, C, has a ratchet-wheel, D, secured to it, the teeth of which correspond in number to the whole number of its cartridge-sockets, for a purpose to be hereinafter explained.

The wheel A is placed in a casing or box, E, made of suitable shape to enclose it, and of sheet tin, or other metal or material suitable therefor, which box, in its centre, is provided with a fixed upright or shaft, F, on which the wheel is hung and freely turns.

G, a spring-lever or pawl, hung upon the shaft F as a fulcrum, and extending in a radial line therefrom, is engaged, by the spring-lug or projection *a* upon its under side, with the ratchet-ring of the cartridge-wheel, so that, if said lever or pawl is swung in the proper direction, the cartridge-wheel will be correspondingly revolved within its casing. This pawl, at its outer end, is provided with a knob or handle, H, for convenience in moving it, which knob projects through the slot I in the cover-plate or lid J of the box or casing.

By means of the spring between the knob and the lug, the lever will be raised off from the ratchet, and return automatically to its first position, ready to rotate the cartridge-wheel or chamber.

K, a spring-pawl, secured to casing E, which pawl engages with the teeth of the ratchet-ring of the cartridge-wheel, and prevents it being turned except in one direction. L, a discharge-slot, opening, or spout in wheel-casing E, extending in a straight line entirely across the width of its edge or periphery

From the above description of the construction and arrangement of my improved cartridge-box, it is plain to be seen, that if the several sockets of the wheel or disk A are first filled with cartridges, either more or less in number, according as may be desired, by then moving the pawl G in the proper direction, the several sockets of the wheel can be, in regular order and succession, brought in proper position for the cartridges contained in them to be discharged through the spout L, the slot I in the casing, through which the knob of the pawl G extends, limiting the movement of the pawl, and being made of such a length as to only allow the pawl, each time it is moved, to rotate the cartridge-wheel or disk a sufficient distance to bring each socket of the three rows of sockets in regular order and succession to the discharge-spout L.

Although I have described the wheel as provided with three rows of cartridge-sockets, more or less rows may be used, or only one, according to the kind and size of cartridges for which the cartridge-box is to be used; and therefore I do not intend to limit myself to any particular number of cartridge-sockets in the wheel, nor to any particular kind of material of which the cartridge-box is made, it being of course necessary to have the box as light in weight as possible, and yet sufficiently strong.

I claim as new, and desire to secure by Letters Patent—

1. The spring-lever G, provided with spring-lug *a*, operating the ratchet D of the cartridge-chamber in its forward motion, and returning to its original position, sliding over the ratchet, in the manner described, substantially as specified.
2. The plate or lid J, provided with slot I, through which plays the handle H of the spring-lever G, having spring-lug *a*, operating the ratchet-wheel of the cartridge-chamber, allowing the ejection of but one cartridge at a time, and admitting the operating of said ratchet-wheel continually from the same point, and the lever to return to its proper position, ready for its next operation, substantially in the manner represented and described.

The above specification of my invention, signed by me, this 13th day of February, 1866.

P. F. SCHNEIDER.

Witnesses:

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ALBERT W. BROWN.