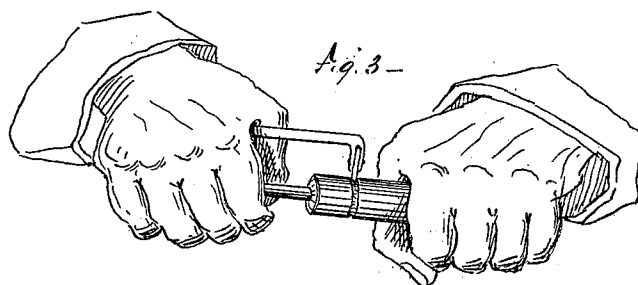
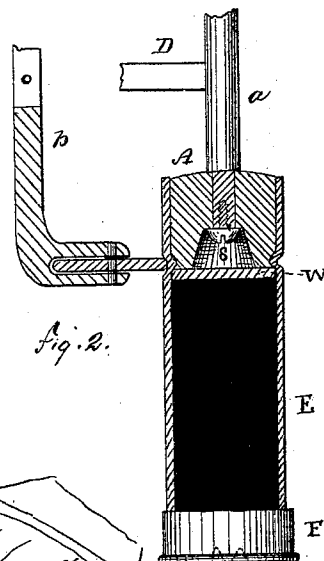
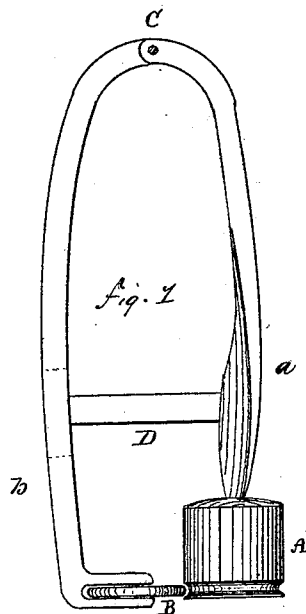


W. B. HALL.
Cartridge-Creasing Implements.

Patented Feb. 10, 1874.

No. 147,321.



WITNESSES

Jno L. Ames
Jacob Stauffer

INVENTOR

William B. Hall.

UNITED STATES PATENT OFFICE.

WILLIAM B. HALL, OF LANCASTER, PENNSYLVANIA.

IMPROVEMENT IN CARTRIDGE-CREASING IMPLEMENTS.

Specification forming part of Letters Patent No. **147,321**, dated February 10, 1874; application filed January 8, 1874.

To all whom it may concern:

Be it known that I, WILLIAM B. HALL, of the city of Lancaster, in the State of Pennsylvania, have invented a new and useful Improvement for Charging or Packing and Creasing Cartridges for Breech-Loading Fire-Arms, of which the following is a specification:

Figure 1 shows two straight arms or legs, *a* and *b*, curved together above, and united by a hinge-joint at *c*. On leg *a* is an attached guide-arm, *D*, in the leg *b* opposite, and to receive the end of this arm *D*. When used for creasing, there is a slot, into which the arm *D* projects to prevent lateral strain. The leg *a* at its lower end is provided with a shouldered bearing for a cylinder, *A*, held in its place by a headed screw, *S*, entering through the center of said cylinder, (reamed out,) and screwed into the lower end of said leg, so that the creasing device can revolve freely while the head or cylinder *A* is pressed upon the wad within the case or cartridge. This cylinder also has a rounded groove around its outer lower edge or circumference. The other leg, *b*, has its lower end bent inward at a right angle formed into an open slot for the bearing or axis of the creasing-wheel *B*, which has its periphery rounded to match the groove in the cylinder *A*, and so as to bear against the outside of the case directly opposite to said groove

on the cylinder within the case. The hinge admits of separating the two legs sufficiently to allow the head *A* to perform the office of a ramrod to pack the wad *W*, Fig. 2, within the case; and, when duly adjusted, it is only necessary to press the creasing-wheel *B* against the outside of the case, and, by a turn of the hand, carry it around in order to form the necessary crease in its proper place, gaged by the head or groove in the cylinder. Thus a perfect crease is easily made at the proper point to hold the wad in place.

The operation is shown by Fig. 3, holding the cartridge in one hand and the creaser in the other.

I am not aware that a creasing-wheel and grooved cylinder for creasing cartridges were ever combined and operated substantially as herein set forth; therefore,

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

The combination of a grooved roller or cylinder, *A*, and creasing-wheel *B* on their respective arms *a* and *b*, hinged together at *c*, substantially operated and constructed in the manner and for the purpose set forth.

WILLIAM B. HALL.

Witnesses:

JNO. M. AMWEG,
JACOB STAUFFER.