

W. W. WINCHESTER.  
Cartridge-Loading Implements.

No. 156,197.

Patented Oct. 20, 1874.

fig. 1

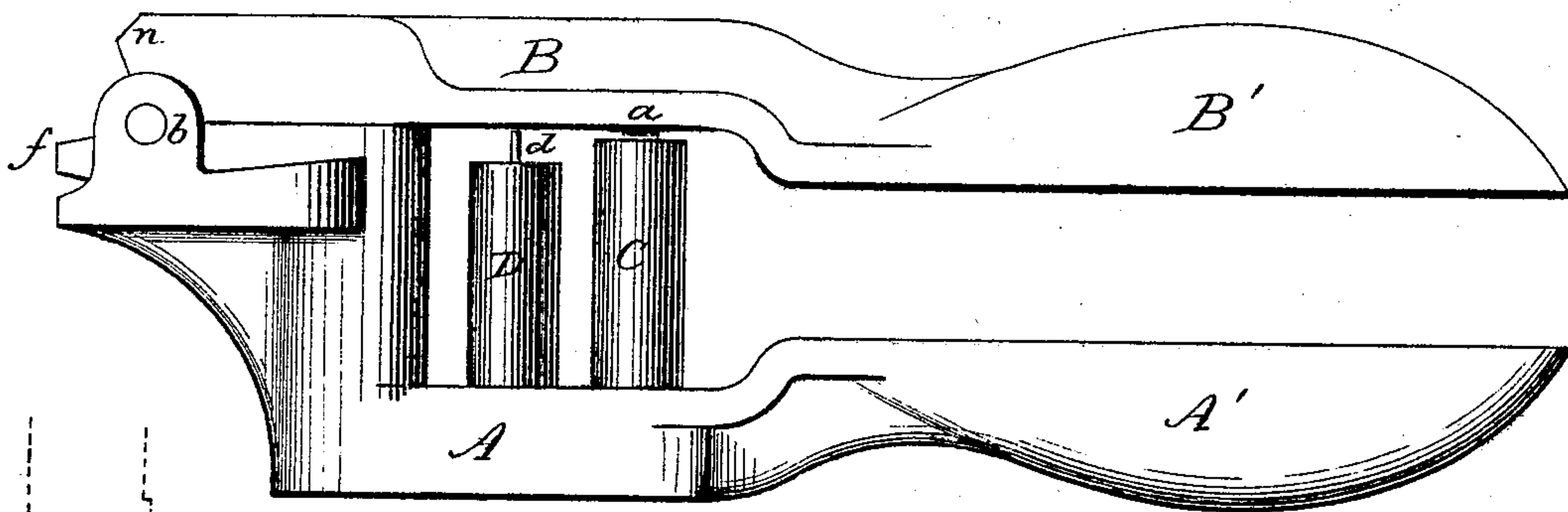
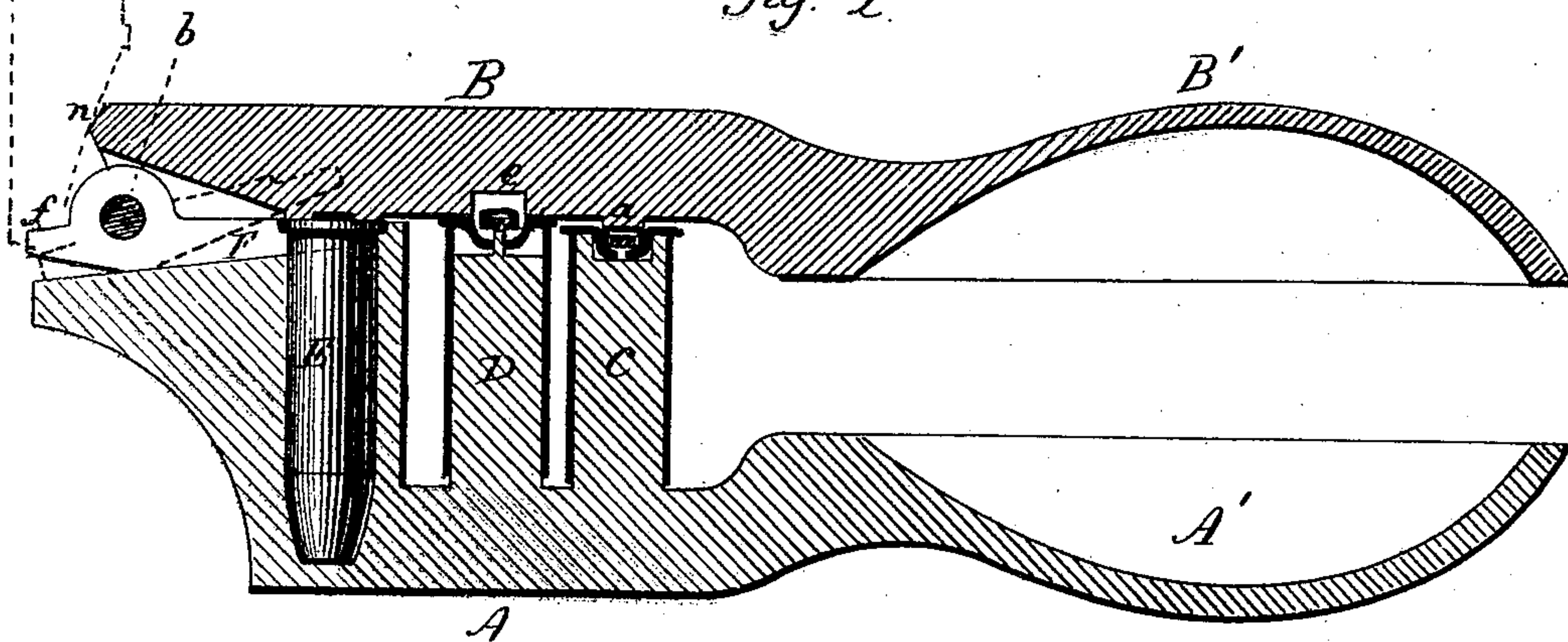


fig. 2



Witnesses.  
A. J. Tibbitts  
J. H. Channing

Wm. W. Winchester  
Inventor  
By Atty.  
John O. Gail

# UNITED STATES PATENT OFFICE.

WILLIAM W. WINCHESTER, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO  
WINCHESTER REPEATING-ARMS COMPANY, OF SAME PLACE.

## IMPROVEMENT IN CARTRIDGE-LOADING INSTRUMENTS.

Specification forming part of Letters Patent No. **156,197**, dated October 20, 1874; application filed  
September 30, 1874.

*To all whom it may concern:*

Be it known that I, WILLIAM W. WINCHESTER, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Cartridge-Loader; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view, and in Fig. 2 a longitudinal central section.

This invention relates to an improvement in device for loading or reloading metallic cartridge-shells; and it consists in a pair of levers, having combined therewith devices for setting and removing the primer, and setting the ball, and withdrawing the shell after the ball is set, as more fully hereinafter described.

A is the principal lever or base, terminating in a handle, A'; B, the second lever terminating in a handle, B', and hinged to the principal lever, as at *b*. On the lever A are two studs, C D. The stud C is designed for setting the primer. The shell is denoted in solid block, as set thereon. The primer having been previously set into the cavity in the shell, the lever B is brought down thereon, and a boss or short stud, *a*, strikes the primer, and the closing of the levers forces the primer to the seat, as seen in Fig. 2. The other stud, D, is used for removing the primer after firing, and for this purpose a pin, *d*, is set centrally in the upper end of the stud D, and a cavity, *e*, formed in the lever B above; hence, when the shell with the primer (exploded or

not) is placed upon the stud D, and the lever B forced down thereon, the pin *d* will pass through the opening in the shell, and force the primer from its seat, as seen in Fig. 2. In rear of the studs C D, or at other convenient point, a cavity, E, is formed in the part A corresponding to the form of the fully-charged cartridge, as seen in Fig. 2.

After the cartridge has been supplied with the primer and powder, the ball is set into the mouth of the shell, and then placed in the cavity E; then the lever E forced down therein will drive the shell onto the ball until it is perfectly set, at which time the lever comes to a rest.

In order to extract the thus completely-charged cartridge, an extractor, F, is hung upon the pivot *b*, and extends forward, so as to lie beneath the rim of the cartridge, as seen in Fig. 2. In rear of the pivot is a projection, *f*, on the extractor, which is struck by the end *n* of the lever B when it is open, as denoted in broken lines, Fig. 2. This causes the inner end of the extractor to rise and force the charged cartridge upward and out from the cavity. Thus are combined in one instrument all the devices requisite for priming and completely charging the cartridge.

I claim—

The herein-described cartridge-loader, consisting of the levers A B, the studs C D, the cavity E, and the extractor F, constructed and operating substantially as set forth.

WILLIAM W. WINCHESTER.

Witnesses:

JOHN E. EARLE,  
A. J. TIBBITS.