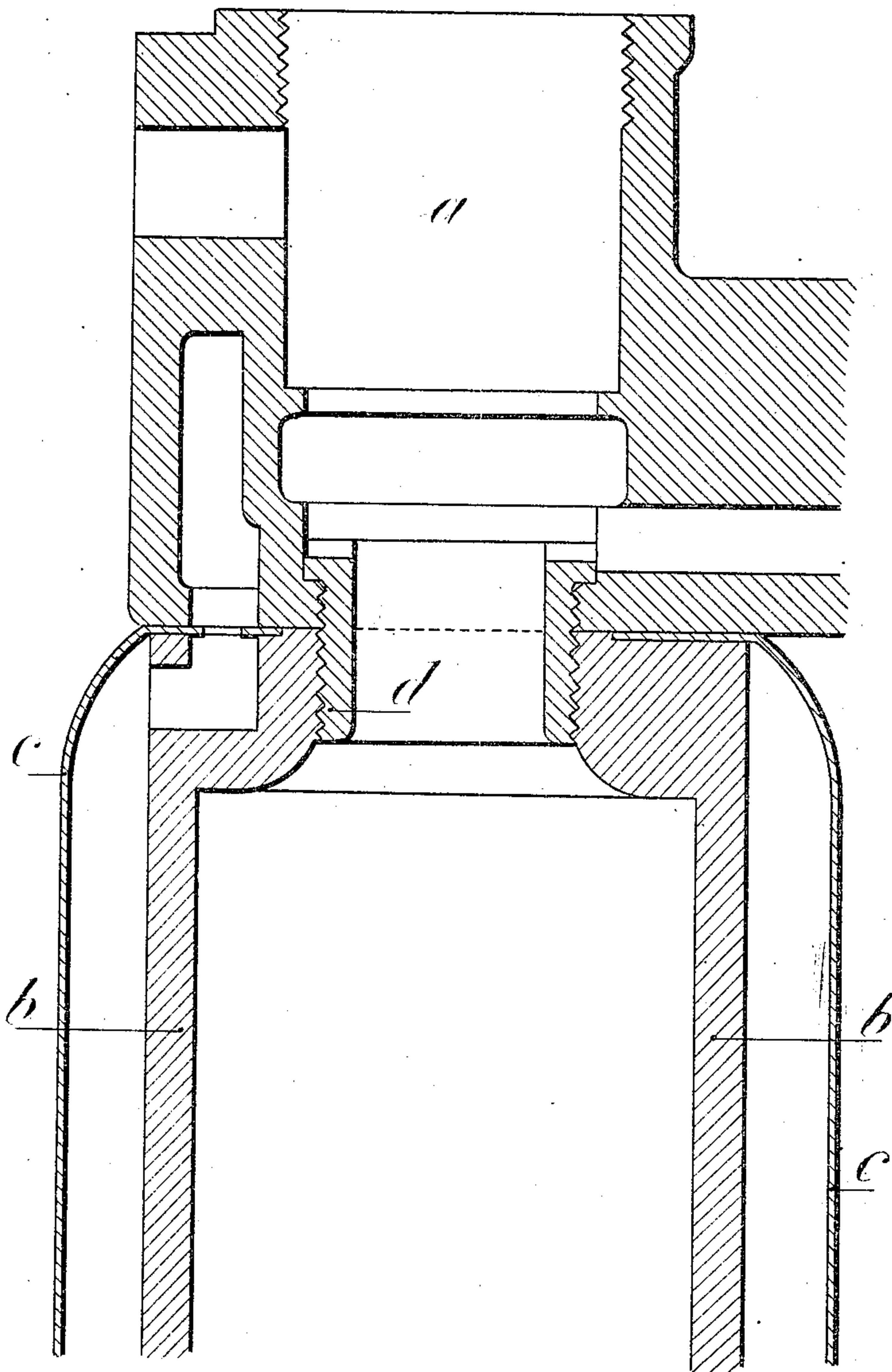


No. 843,759.

PATENTED FEB. 12, 1907.

H. P. MARTIN.
CYLINDER FOR INTERNAL COMBUSTION ENGINES.
APPLICATION FILED MAY 16, 1904.



Witnesses:
W. F. Anderson
B. C. Hildebrand

Inventor.
Henri Paul Martin
by George Massie
His attorney

UNITED STATES PATENT OFFICE.

HENRI PAUL MARTIN, OF PARIS, FRANCE.

CYLINDER FOR INTERNAL-COMBUSTION ENGINES.

No. 843,759.

Specification of Letters Patent.

Patented Feb. 12, 1907.

Application filed May 16, 1904. Serial No. 208,212.

To all whom it may concern:

Be it known that I, HENRI PAUL MARTIN, a citizen of the Republic of France, residing at Paris, France, have invented a new and useful Improvement in or Relating to Cylinders for Internal-Combustion Engines and the Like, which improvement is fully set forth in the following specification.

This invention has for its object a novel means of attaching the cylinder-head of internal-combustion engines and the like to the cylinder, such means consisting in screwing one end of a screw-threaded ring into the upper portion of the cylinder and the other into the lower portion of the cylinder-head. This novel arrangement allows the bolts and nuts now in use to be dispensed with and allows a perfect joint between the cylinder-head, the cylinder, and its jacket to be obtained.

In the annexed drawing, *a* is the cylinder-head; *b*, the cylinder; *c*, the jacket; *d*, the screw-threaded ring or sleeve.

As will be seen, the jacket *c* is squeezed between the lower face of the cylinder-head and the upper face of the cylinder. The joint thus obtained is perfectly tight. This

is a very strong attachment and one, moreover, which allows the cylinder-head to be easily removed.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. The combination, with the cylinder and its head having alined apertures, one being threaded, of a ring having a reduced threaded portion engaging the threaded aperture to clamp the parts together.

2. The combination, with the cylinder and its head having alined threaded apertures, of a jacket having a flange located between the cylinder and head, and a ring having a reduced threaded portion engaging the threaded apertures to clamp the parts together.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

HENRI PAUL MARTIN.

Witnesses:

JEAN FANCHER,
HANSON C. COXE.