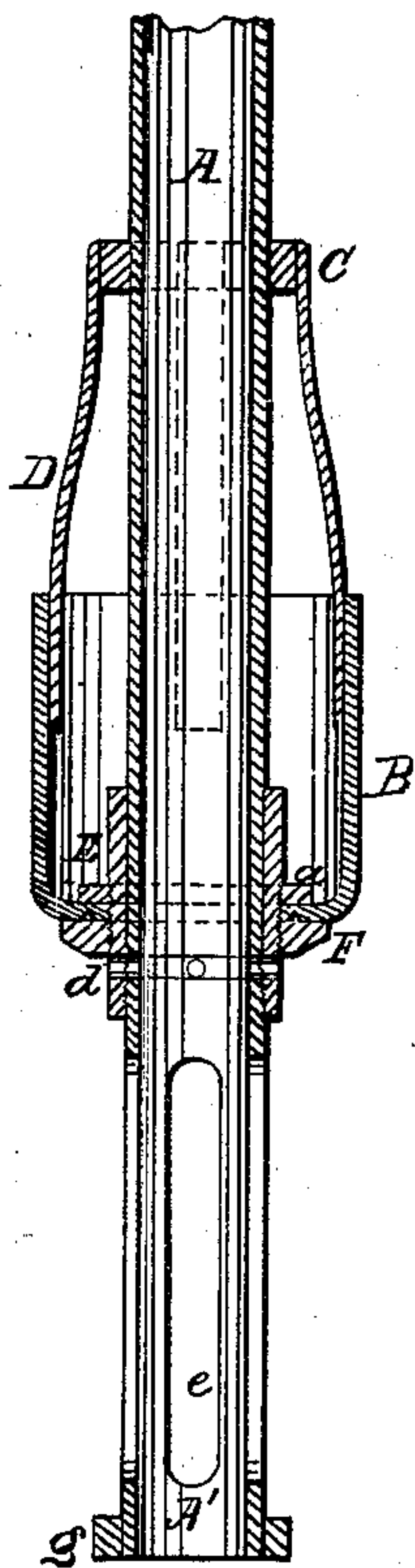


*A. D. Griffin.*  
*Pump Packing,*  
*No 67,749, Patented Aug. 13, 1867.*



*Witnesses*  
*Theo Trusche*  
*J. A. Service*

*— Inventor*  
*Anson D Griffin*  
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*Attorneys*

# United States Patent Office.

ANSON D. GRIFFIN, OF TITUSVILLE, PENNSYLVANIA.

*Letters Patent No. 67,749, dated August 13, 1867.*

## IMPROVEMENT IN PACKINGS FOR DEEP WELLS.

*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, ANSON D. GRIFFIN, of Titusville, in the county of Crawford, and State of Pennsylvania, have invented a new and useful Improvement in Well Seed-Bags; 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 drawing, forming part of this specification.

This invention relates to a method for closing the bore of an oil, artesian, or other well, and thereby stopping off the surface or other water during the process of boring or working the said wells; and the invention consists in constructing and arranging the parts in such a manner that the object is attained without the use of seed or any similar material, as will be hereinafter described.

The drawing represents a vertical section of the arrangement.

A is the casing, to which the bag is attached. B is the bag, made of leather or some other flexible material. C is a loose ring on the casing A. D represents the springs, which are attached to the ring C at one end, and to the bag B at the other. Their office is to keep the elastic bag expanded, and there may be more or less of them in number. E is a thimble, which is attached to the casing A. F is a collar, which is screwed on to the thimble by a left-hand screw-thread. There is a small collar fast on the thimble E, which is represented by *a*; and the lower end of the bag is secured between this collar *a* and the screw-collar F. This collar F has small spurs on its upper side, which penetrate the bag. A' is a piece of casing, which is attached to the thimble E by a screw-thread. *g* is a collar on the bottom end of A'. This piece of casing is slotted, as seen at *e*. The thimble, and also the casing, are perforated with small holes, as seen at *d*.

It is lowered into the well on the casing in the ordinary manner. For detaching and drawing, the casing is turned to the right, by which the collar F (which is attached with a left-hand screw) is liberated, in the manner described. At the same time the bag adheres to the walls of the well.

Those acquainted with the subject will at once appreciate the advantages of this arrangement.

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

The bag B, the springs D, the thimble E, the collar F, and the loose ring C, constructed and arranged in combination with the casing A A', substantially as shown and described for the purposes set forth.

ANSON D. GRIFFIN.

Witnesses:

P. DAVIDSON,  
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