No. 796,107. PATENTED AUG. 1, 1905.

E. J. BROOKS.

SEAL.

APPLICATION FILED MAR. 24, 1905.

Fig. 1

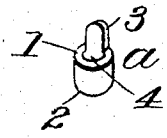


Fig. 2

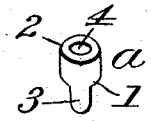


Fig. 3.

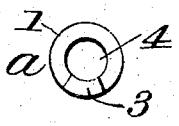


Fig. 4.

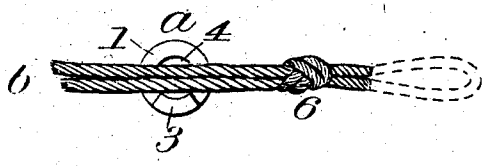


Fig. 5.

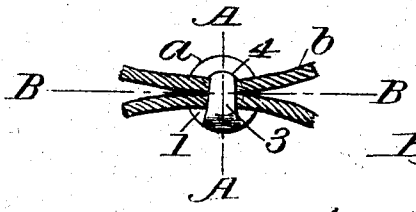


Fig. 6.

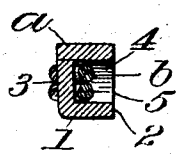


Fig. 7.

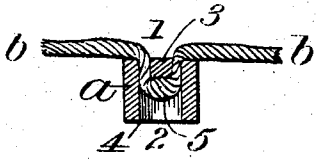


Fig. 8.

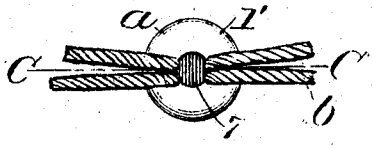


Fig. 9.

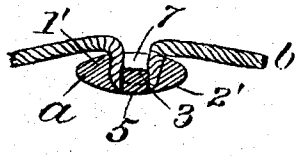


Fig. 10.

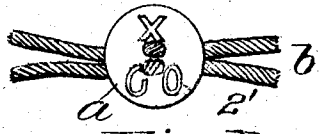
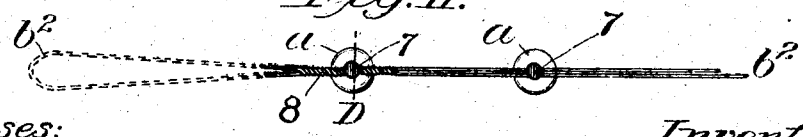


Fig. 11.

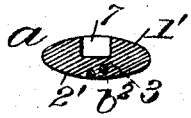


Witnesses:

C. H. Walker.

E. Thos. Loftus

Fig. 12.



Inventor:

Edward J. Brooks

Attorney.

ANDREW B. GRAHAM CO., PHOTO-LITHOGRAPHERS, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

EDWARD J. BROOKS, OF EAST ORANGE, NEW JERSEY.

SEAL.

No. 796,107. Specification of Letters Patent. Patented Aug. 1, 1905.

Application filed March 24, 1905. Serial No. 251,875.

To all whom it may concern:

Be it known that I, EDWARD J. BROOKS, a citizen of the United States of America, and a resident of East Orange, in the State of New Jersey, have invented a new and useful Improvement in Seals, of which the following is a specification.

This invention relates to press-fastened seals having shackles of cord, tape, or the like, hereinafter termed "cord," or of flexible annealed wire and with the compressible "seal part" of suitable soft metal, hereinafter termed "lead," or of "tin" (tin-plate) or other suitable sheet metal.

The present improvement is additional to the improvement in seals set forth and claimed in my specification forming part of United States Letters Patent No. 676,415, dated June 18, 1901, relating therewith to seals, in which the seal part is constructed without any threading-holes and with an open-fronted recess which receives a bight of both shackle ends and preliminarily fastens the same, so as to facilitate applying the seal-press.

The present invention consists in an improved seal of that description primarily designed to be made with a seal part of very small size adapted to coact with thin cord or very light single wire, but also adapted to be made of any desired size and further adapted to economize the raw material to a greater extent and to fasten the shackle ends more securely as compared with the seal part of the patented seal above referred to.

A sheet of drawings accompanies this specification as part thereof.

Figures 1 and 2 are perspective views of the seal part of the improved seal as it appears when it leaves the factory. Figs. 3, 4, and 5 are end views thereof, with the ends of a cording-shackle superposed in Fig. 4 and with the same preliminarily fastened in Fig. 5. Figs. 6 and 7 represent, respectively, sections on the lines A and B, Fig. 5. Fig. 8 is a back view of the pressed seal. Fig. 9 represents a section on the line C, Fig. 8. Fig. 10 is a face view of the pressed seal. Fig. 11 represents two of the improved seals applied to a shackle of thin wire; and Fig. 12 represents a magnified cross-section on the line D, Fig. 11.

Like reference characters indicate like parts in all the figures.

The improved seal consists of a compressible seal or seal part a, in combination with a cord b or wire b^2, light enough to be thin and flexible as compared with the seal part. The seal part a, in which the novelty resides, is preferably and conveniently of the shape represented by Figs. 1 to 4, inclusive, when it leaves the factory—that is to say, it is in the form of a short length or cross-section of tubing having open ends or sides 1 and 2, with what is hereinafter termed a "finger" 3 projecting longitudinally at one side of the bore or recess 4. This recess 4 is thus made to extend entirely through the seal part from front to rear and is adapted to receive within it a bight 5 of the two ends of the cord or wire, together with the superposed finger 3, as in Figs. 5, 6, and 7.

In applying the seal part a the ends of the cord or wire b or b^2, with or without first knotting them, as represented at 6 in Fig. 4, are stretched side by side across that open side 1 of the seal part from which the finger 3 projects. The finger 3 being pliable is then pressed down upon and across both ends of the cord or wire and is pressed therewith into the recess 4, as represented in Figs. 5, 6, and 7, by a finger or thumb of the sealer, and a suitable seal-press is then applied to the seal part a, so as to give it its final or fastened shape (represented in Figs. 8, 9, and 10 or in Figs. 11 and 12) and to stamp it with any desired distinguishing-marks. (Represented by "X CO." in Fig. 10.)

That end or side of the seal part a which receives the bight 5 of the cord or wire b or b^2 forms what is herein termed the "back" of the pressed seal part, as represented at 1′ in Figs. 8 and 9, the opposite end or side 2′ being filled out by the finger 3 and the cord or wire, as shown in Figs. 9 and 10. To thus make said finger 3 assist in filling out what becomes the face 2′ of the seal part a, it is only necessary to provide one of the dies of the seal-press with a centrally-projecting stud adapted to force the finger 3 to the opposite end or side of the seal part in the pressing operation, leaving a corresponding indentation 7 in the back 1′ of the seal part.

In applying the seal part a to thin wire b^2, as in Figs. 11 and 12, the wire b^2 may preferably be twisted, as shown at 8, where it is to cross the seal part a preliminary to the pressing operation. At this operation the wire b^2 will embed itself in the material of the seal part a, as represented in Fig. 12, especially if the seal part a be of lead, as preferred.

The improved seal part a lends itself to the addition of one seal to another where this is

desired, as illustrated by Fig. 11, and is also especially advantageous where it is desirable to pull a cord or wire taut and then to seal it.

Where lead is used, the heavier the lead the tighter it will hold the cord or wire, and the seal part *a* is preferably made of this material. Suitable sheet metal may be employed, if preferred, and other like modifications will suggest themselves to those skilled in the art.

Having thus described said improvement, I claim as my invention and desire to patent under this specification—

1. As an improved article of manufacture, a compressible seal part having a recess extending entirely therethrough from front to back, and provided at one of its open sides with a pliable finger, integral with the body of the seal part, projecting lengthwise at one side of said recess, and adapted to be folded into said recess and to be utilized in solidifying the opposite side or face of the seal part at the pressing operation.

2. In combination with a flexible cord or wire having its ends brought together side by side, a compressible seal part having a recess extending entirely therethrough and adapted to be crossed by both ends of the cord or wire and provided with a pliable finger at one side of said recess adapted to be bent across said ends and into said recess together with a bight of said ends preliminary to the pressing operation.

3. In combination with a flexible cord or wire having its ends brought together side by side, a compressible seal part of lead in the form of a short section of a tube having a recess extending entirely therethrough and adapted to be crossed by both ends of the cord or wire and provided with a pliable finger at one side of said recess adapted to be bent across said ends and into said recess together with a bight of said ends preliminary to the pressing operation, said finger being also adapted to be utilized in closing the opposite side or face of the seal part at the pressing operation, substantially as hereinbefore specified.

EDWARD J. BROOKS.

Witnesses:
ELLEN J. BROOKS,
ELINOR BROOKS.