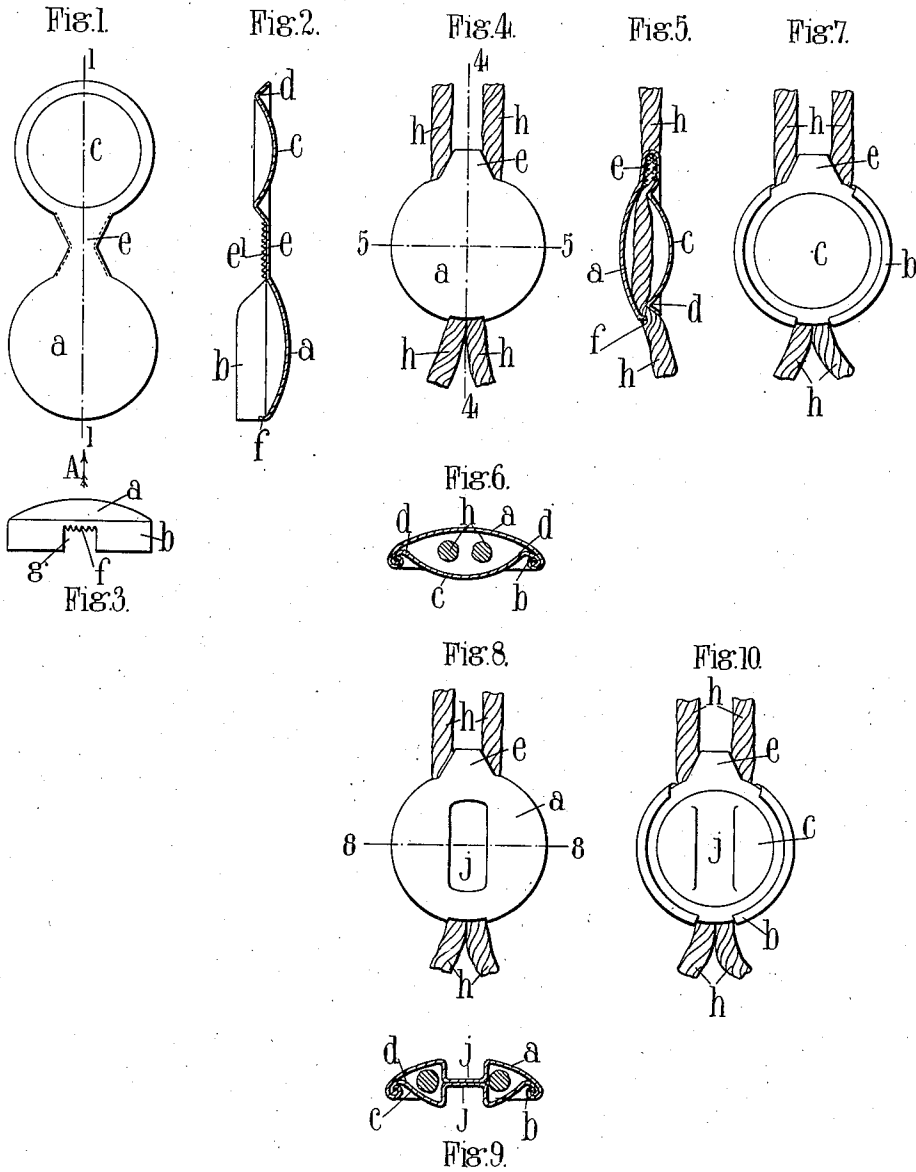


S. STROH.
METAL SEAL.

APPLICATION FILED APR. 2, 1909.

959,401.

Patented May 24, 1910.



WITNESSES
Philip D. Rollhause
J. P. Davis

INVENTOR
Sigmund Stroh.
BY *Munroe*
ATTORNEYS

UNITED STATES PATENT OFFICE.

SIGMUND STROH, OF LONDON, ENGLAND.

METAL SEAL.

959,401.

Specification of Letters Patent.

Patented May 24, 1910.

Application filed April 2, 1909. Serial No. 487,476.

To all whom it may concern:

Be it known that I, SIGMUND STROH, a subject of the King of Hungary, and resident of Audrey House, Ely Place, London, E. C., England, merchant, have invented Improvements in Metal Seals, of which the following is a specification.

This invention relates to metal seals adapted to be closed on cords and the like used for fastening packages.

The object of this invention is to provide a seal which shall be cheap to manufacture, which can be used without the necessity of threading the cords through holes therein and which, when secured in position, cannot be tampered with without detection.

Referring to the accompanying drawings, Figure 1 is a face view of one form of seal constructed in accordance with this invention and shown in its open position ready for use; Fig. 2 is a cross section thereof on line 1—1 Fig. 1; Fig. 3 is an end view thereof in the direction of the arrow A, Fig. 1. Fig. 4 is a face view showing the seal closed into position for use. Fig. 5 is a cross section thereof on line 4—4 Fig. 4; Fig. 6 is a cross section thereof on line 5—5 Fig. 4. Fig. 7 is a rear view thereof. Fig. 8 is a face view of a seal with a depression therein. Fig. 9 is a cross section thereof on line 8—8 Fig. 8 and Fig. 10 is a rear view thereof.

The seal comprises a circular dished metal plate *a* provided with a flange *b* at the edge of its concave side, a second circular dished metal plate *c* having a circular shoulder *d*, the plate *c* being adapted to fit in the plate *a*, a neck *e* connecting together said plates *a* and *c*, serrations *e*¹ being disposed at an angle to the plane of said neck *e* and along the sides thereof, and serrations *f* being disposed in a recess *g* in the flange *b*.

In use the cords *h h* are placed on either side of the neck *e* and said neck *e* is bent so that the plate *c* is folded over so as to lie within the flange *b* of the plate *a*. By means of suitably shaped closing means such as a pair of pincers, the plate *c* is forced into the plate *a* so as to hold the cords firmly between the plate *a* and the circular shoulder *d* on the plate *c*. A further hold is obtained by the serrations *e*¹, *f* which embed themselves in the cords *h h*. Continued pressure by the closing means causes the flange *b* on the plate *a* to be bent over to engage the plate *c* as is clearly shown in Figs. 6 and 7. The flange *b* does not ex-

tend right up to the neck *e* but is cut away to allow clearance for the cords *h*. The recess *g* is also provided for the purpose of clearance.

Seals constructed in accordance with this invention may be embossed, before use, in any desired manner so as to be readily identified, and if desired, the seals may be impressed with a particular mark at the time they are closed.

Figs. 8, 9 and 10 illustrate a seal adapted to be closed in this manner. The central part *j* of each of the plates *a* and *c* is provided with a depression each of said depressions having a flat bottom and being of such depth that their adjacent surfaces are in close contact when the seal is closed so that the seal may be impressed while it is being closed. The bottoms of such depressions being in contact considerable pressure may be employed in closing the seal and if suitably engraved parts of the closing dies be provided sharp impressions of letters or figures may be obtained without deforming the seal. Any desired mark may be impressed on this central depression *j* by varying the closing means; for instance, the date on which the seal was closed may be impressed thereon.

Claims.

1. A seal comprising a dished metal plate, a second dished plate adapted to fit within said first plate, a shoulder on said second plate, a neck connecting said plates, a flange on said first plate adapted to be closed over said second plate, and serrations disposed in a recess in said flange and adapted to engage with the cord to be sealed.

2. A seal comprising a dished metal plate, a second dished metal plate adapted to fit within said first plate, a shoulder on said second plate, a neck connecting said plates, serrations disposed at an angle to the plane of said neck and along the edges thereof, a flange on said first plate adapted to be closed over said second plate, and serrations disposed in a recess in said flange, the serrations on said neck and in said recess being adapted to engage with the cord to be sealed.

3. A seal comprising a dished metal plate, a second dished metal plate adapted to fit within said first plate, a shoulder on said second plate, a neck connecting said plates, serrations disposed at an angle to the plane of said neck and along the edges thereof,

a flange on said first plate adapted to be closed over said second plate, serrations disposed in a recess in said flange, the serrations on said neck and in said recess being adapted to engage with the cord to be sealed, and
5 said plates having depressions the bottoms of which are in contact, the depressed parts

of said plates being adapted to receive impressions when the seal is being closed.

SIGMUND STROH.

Witnesses:

FERDINAND ULLMAN,
FERDINAND LUNZE.