No. 884,604. PATENTED APR. 14, 1908.

T. E. MURRAY.

SEAL FASTENING.

APPLICATION FILED OCT. 8, 1907.

Fig. 1.

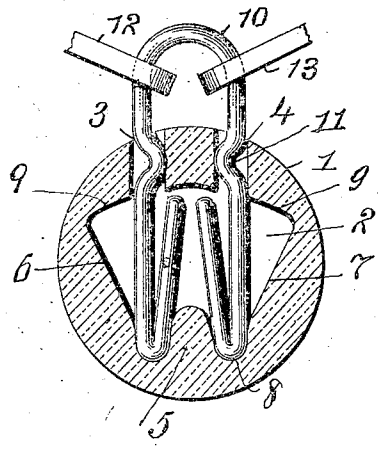


Fig. 2.

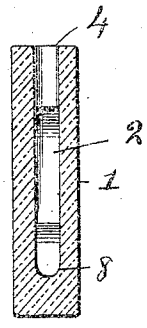


Fig. 3.

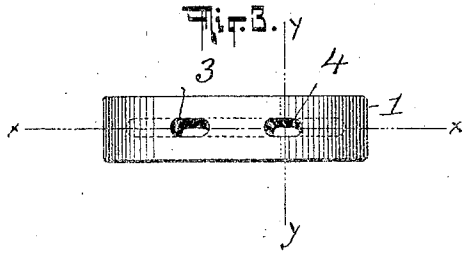
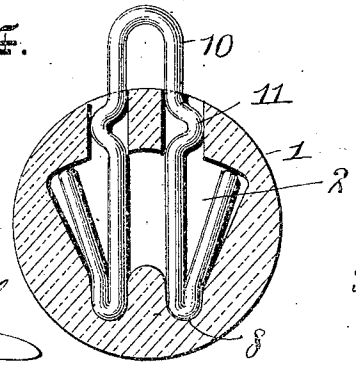


Fig. 4.



WITNESSES:

Gustave Dieterich.

Edwin W. Dieterich.

INVENTOR

Thomas E. Murray

BY Park Benjamin

his ATTORNEY

UNITED STATES PATENT OFFICE.

THOMAS E. MURRAY, OF NEW YORK, N. Y.

SEAL-FASTENING.

No. 884,604. Specification of Letters Patent. Patented April 14, 1908.

Application filed October 8, 1907. Serial No. 396,464.

To all whom it may concern:

Be it known that I, THOMAS E. MURRAY, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a certain new and useful Improvement in Seal-Fastenings, of which the following is a specification.

The invention is a seal fastening whereby two loops or eyes may be secured together by means of a wire and holding block or "seal body" in such a way as that the ends of the said wire cannot be withdrawn from the holding block after insertion therein.

The object of the invention is to prevent the opening of doors, lids, covers, and the like, and generally the separation of objects which it may be desirable to retain connected.

The invention consists in the construction of the wire fastening loop having its end portions turned backward to form portions of substantially V shape, a recess having two contracted entrances respectively receiving said V shaped portions and an enlarged inner cavity wherein said V shaped portions are free to expand and become locked by abutment of their extremities upon the inner surface of said recess: and whereby the wire is permanently retained in the block, so that said block cannot be used a second time: also in the combinations more particularly set forth in the claims.

In the accompanying drawings—Figure 1 is a vertical section on the line *x*—*x* of Fig. 3. Fig. 2 is a transverse section on the line *y*—*y* of Fig. 3, and Fig. 3 is a top view of my improved seal block. Fig. 4 is a modified form also in section on line *x*—*x* of Fig. 3.

Similar numbers of reference indicate like parts.

The holding block or seal body 1 may be made of porcelain or other fictile material and of cylindrical shape. It has an internal recess or cavity 2 with two contracted entrances 3, 4. Opposite the solid partition between said entrances, said recess is provided with an inward projection 5. The sides 6, 7, of the recess are inclined toward the projection 5 and between said sides and the sides of the projection are formed curved seats 8, while between said sides and the entrances are formed shoulders 9.

The fastening wire 10 is in loop form and has its end portions turned backwardly in substantially V shape. In each standing part of the wire and located between its loop and the extremities of the turned back portions are crimps 11. In the form shown in Fig. 1, the end portions are turned backward and inward in V shape and the crimps 11 are bent inwardly. In the form shown in Fig. 4, the end portions are turned backward and outward in V shape and the crimps are bent outwardly. In Fig. 1, 12 and 13 represent the eyes which are to be retained together by means of the device.

In operation, the turned back portions are pressed closely against the standing parts of the loop and inserted through the entrances 3, 4, until the apexes of the V's are seated in the seats 8. The extremities of the V's on entering the recess spring away from the standing parts of the wire. In the form shown in Fig. 1, they both come opposite the inner curved surface of the solid material of the block which lies between the entrances and in the form shown in Fig. 4 each extremity comes opposite one of the shoulders 9. The projection 5 comes between the V shaped portions. In both cases the crimps 11 are received and fit in the entrances 3, 4. It is impossible to withdraw the wire from the holding block because in the form shown in Fig. 1 the extremities of the V shaped portions get an abutment on the solid material of the block between the entrances, while in Fig. 4 equally they get an abutment on the shoulders 9. Nor can each part of the wire be withdrawn separately from the block in case the loop wire is cut. Hence it is impossible to replace the fastening wire and so to re-use the seal block.

I claim:

1. In a seal fastening and in combination with a wire loop having, at its ends, portions turned upward in V shape, and a holding block having a single enlarged inner cavity and two contracted entrances in the wall thereof disposed side by side and substantially parallel; the said turned up portions and the standing parts of the loop adjacent thereto being received in said cavity after passing through the entrances and being locked in said cavity by abutment of the upper extremities of said turned up portions against said cavity wall.

2. In a seal fastening and in combination with a wire loop having, at its ends, portions turned upward in V shape, and a holding block having a single enlarged inner cavity and two contracted entrances in the wall thereof; the said turned up portions and the standing parts of the loop adjacent thereto being re-

ceived in said cavity after passing through said entrances and being locked in said cavity by abutment of the upper extremities of said turned up portions against the part of said cavity wall lying between said entrances.

3. In combination with a wire loop having its end portions turned backward in substantially V shape, a holding block having a single recess and two contracted entrances thereto disposed side by side and substantially parallel and the said recess being constructed internally to form seats for the apexes of said V shaped parts and to form an abutment for the extremities of said parts.

In testimony whereof I have affixed my signature in presence of two witnesses.

THOMAS E. MURRAY.

Witnesses:

GERTRUDE T. PORTER,

J. P. CAMPBELL.