

(No Model.)

O. S. FELLOWS.
SEALED PACKAGE.

No. 597,109.

Patented Jan. 11, 1898.

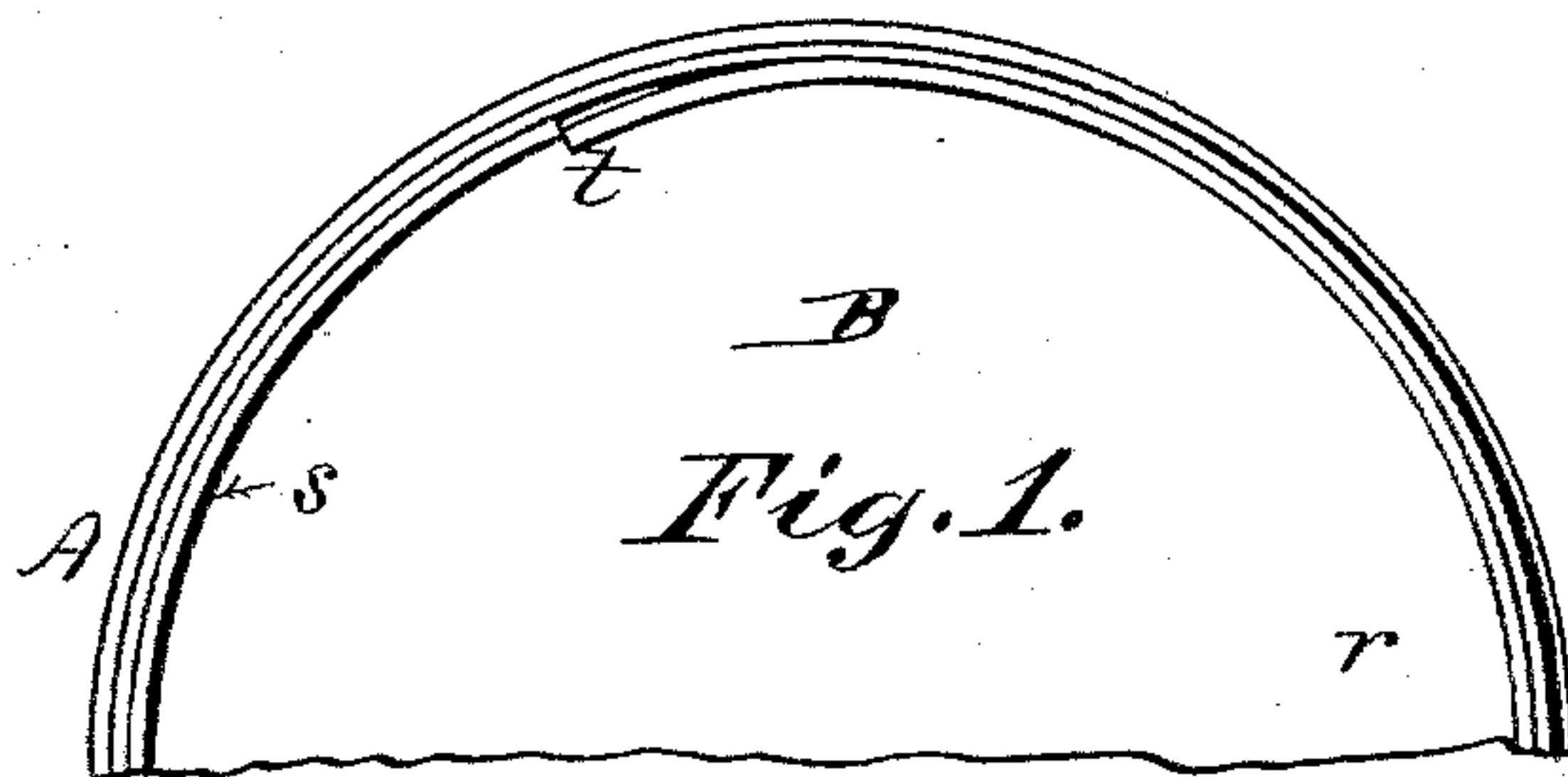


Fig. 2.

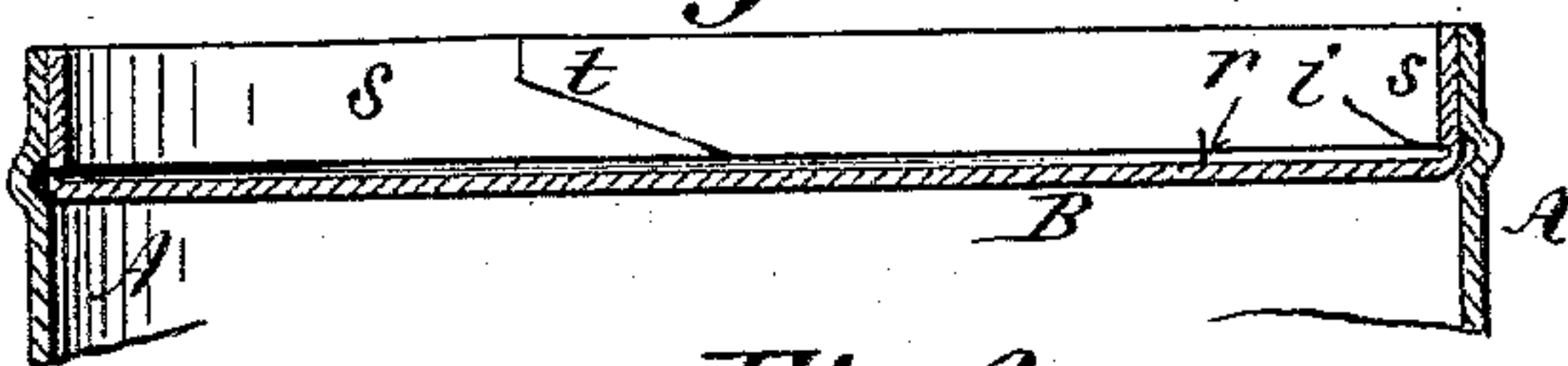


Fig. 3.

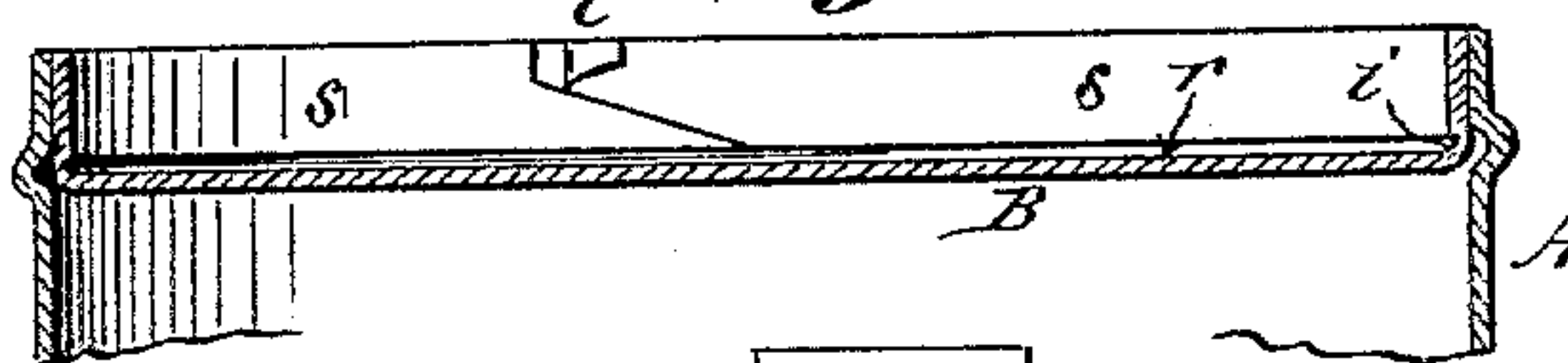


Fig. 5.

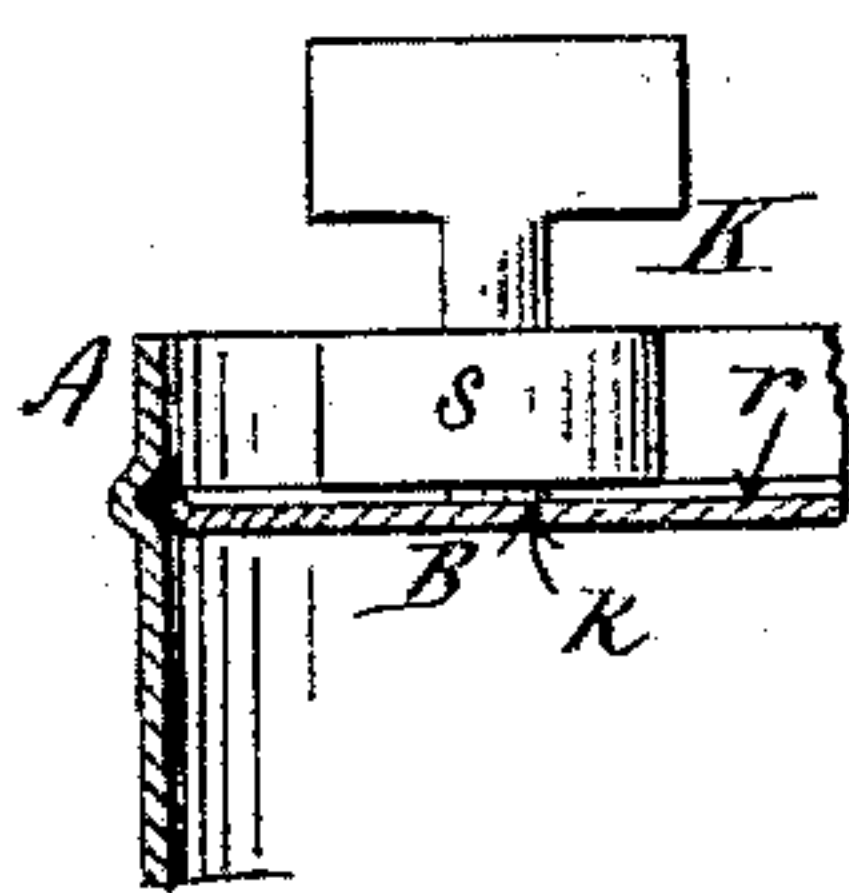


Fig. 4.

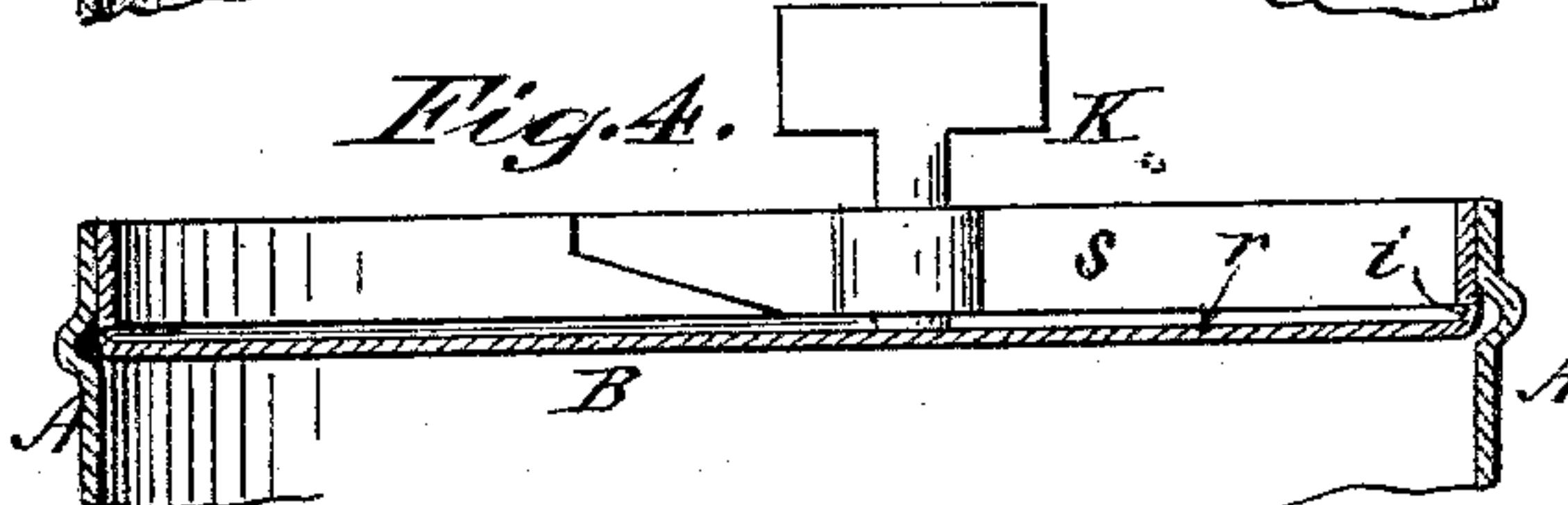


Fig. 10.

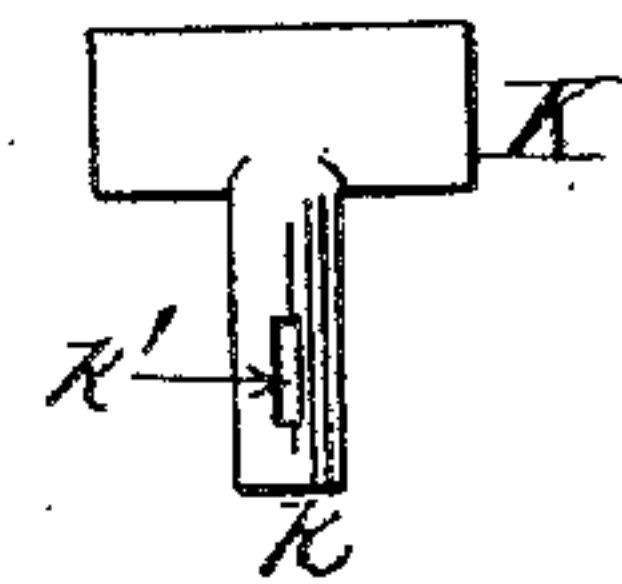


Fig. 6.

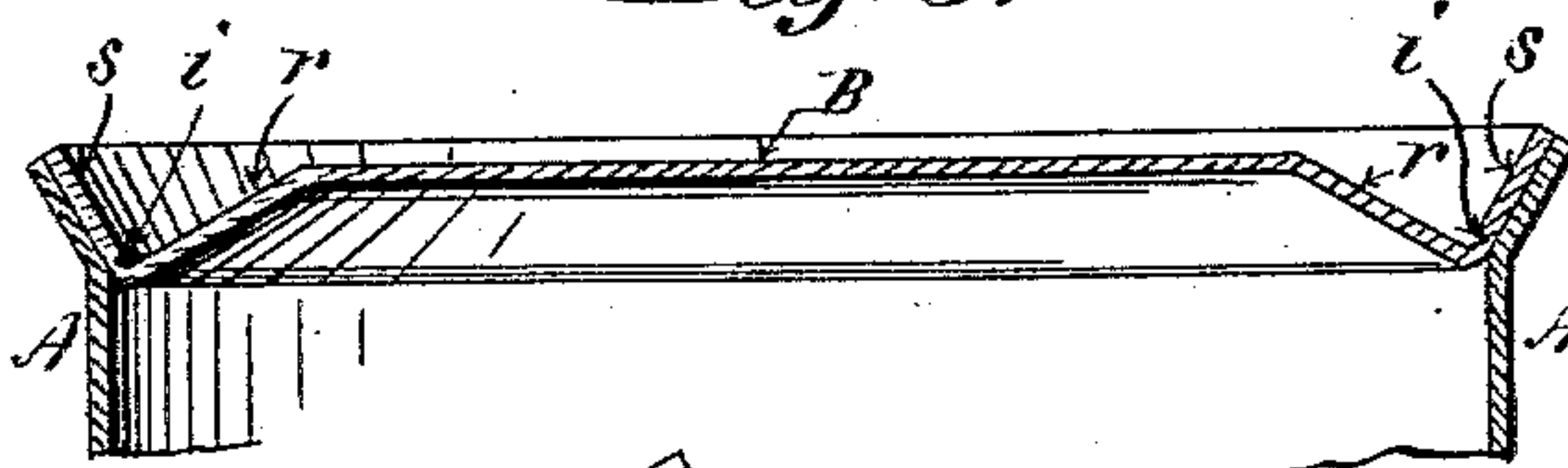


Fig. 9.

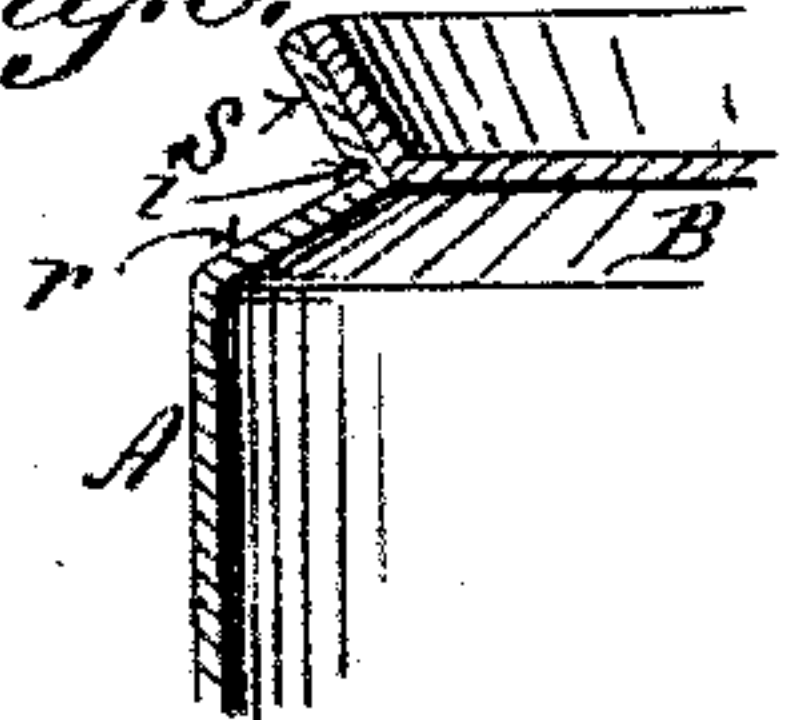


Fig. 7.

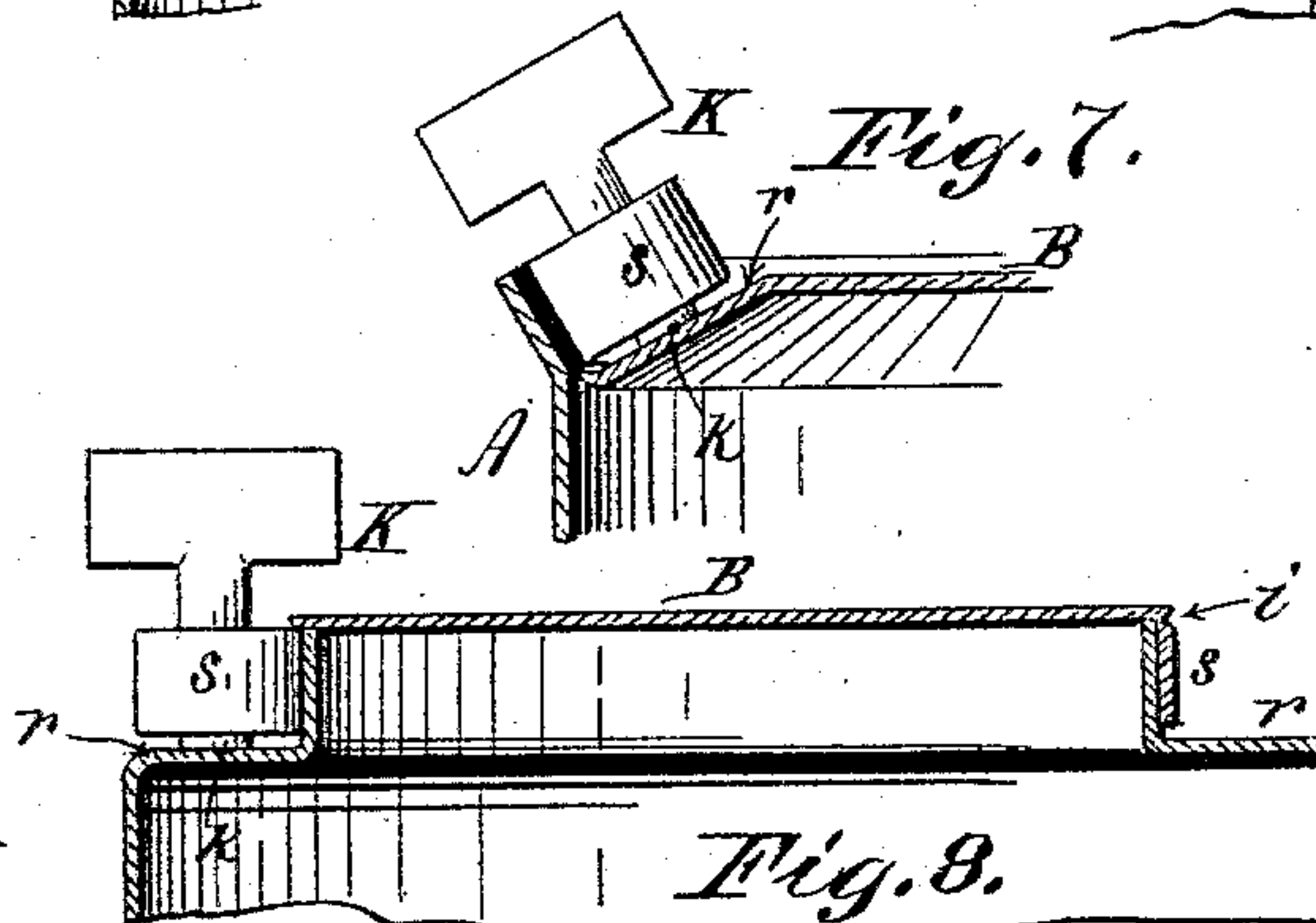


Fig. 8.

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UNITED STATES PATENT OFFICE.

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SEALED PACKAGE.

SPECIFICATION forming part of Letters Patent No. 597,109, dated January 11, 1898.

Application filed March 13, 1896. Serial No. 533,076. (No model.)

To all whom it may concern:

Be it known that I, OLIN S. FELLOWS, a citizen of the United States, residing at Middletown, in the county of Orange and State of New York, have invented certain new and useful Improvements in Sealed Packages, of which the following is a specification sufficient to enable others skilled in the art to which the invention appertains to make and use the same.

My invention relates to a sheet-metal can designed to be opened by the removal of a strip or zone by means of a strip-winding key.

The object of my invention is to provide means to sustain the strip-winding key during the stripping operation against movement longitudinally on its longitudinal axis and to thereby render the stripping operation more safe, convenient, and accurate than heretofore.

As it is practically impossible under the conditions heretofore existing to rotate the key on its longitudinal axis to wind off the stripping-zone of the can without moving the key more or less longitudinally also, it has required considerable skill and care to effect the removal of a strip evenly, any considerable deviation in alinement rendering the operation difficult and even dangerous to the fingers of the operator. It will readily be seen that if the fingers of the operator are relieved of the task of trying to maintain the position of the key longitudinally while rotating the same the operation can be performed with less exertion, the energy being all applied to the best advantage in effecting the severance of the metal along the prescribed line, and a perfectly smooth even winding of the strip being attained, having no protruding sharp or ragged edges to endanger the fingers of the operator. This I accomplish by my present invention, which consists in forming the can with a supporting-surface for the end of a key of prescribed length at right angles to the stripping portion, said rectangular supporting-surface acting both as a gage and as a means of meeting pressure applied longitudinally and diverting it to aid in the severance and winding of the strip.

My improvement may be applied to cans in which the stripping-section consists of either

an inner or outer flange of an end plate or of a portion of the can-body itself, the essential feature being a rectangular supporting-surface at or below the line of severance, the strip-winding key being of corresponding length and forming a feature of the invention in combination with a can of my special construction.

In the accompanying drawings, Figure 1 is an end elevation of a portion of a can in which the stripping portion consists of an inside flange on the end plate, the stripping-tongue being shown as formed in one piece with the flange. Fig. 2 is a sectional elevation of the same structure; Fig. 3, a similar view showing the stripping-tongue bent outward for engagement with the strip-winding key; Fig. 4, a similar view illustrating the stripping operation; Fig. 5, a sectional detail still further illustrating the stripping operation; Fig. 6, a sectional elevation of one end of a can of slightly-modified form; Fig. 7, a sectional detail illustrating the stripping operation on such a can; Fig. 8, a sectional elevation of one end of a can in which the outer flange of the end plate constitutes the stripping portion; Fig. 9, a sectional detail showing a structure in which the stripping portion and the rectangular key-supporting surface are formed on the can-body. Fig. 10 is an elevation of the strip-winding key.

It is to be understood that where I herein refer to a "key-supporting surface at right angles to the stripping portion of the can" I mean a key-supporting surface at substantially right angles to the stripping portion, since any slight variation from a right angle, though not so effective, would answer the same purpose in a measure.

A represents the body of a sheet-metal can, and B one of its end plates. The stripping portion s, which is to be removed to open the can by the release of the end plate B, may consist of an interior flange of the end plate, as in the first seven figures of the drawings, of an exterior flange of the end plate, as in Fig. 8, or of a portion of the can-body A, as indicated in Fig. 9. In either case the adjoining part of the end plate or can-body is formed with a key rest or bearing r, extending at right angles to the width of the stripping portion s. The stripping portion is pref-

erably weakened at the desired line of severance by an incision i or other reduction in thickness coinciding with or parallel to the key rest or bearing surface r , and it is provided with a tongue t for engagement with the slot k in the strip-winding key K. The distance between the slot k and the lower end k' of the key K is such that when the key K is in engagement with the tongue and strip its lower end k' will rest against the surface of the rest or bearing r . As the strip s and the rectangular surface r are parallel, it follows that the bearing of the end k' against the surface r insures perfect alinement during the stripping operation, since the natural tendency of the operator to press downward on the key will insure its continued contact with the rest r .

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

1. A sheet-metal can formed with a strip-

ping portion adapted to be removed by means of a strip-winding key, and with a supporting-surface for the said key at right angles to said stripping portion, for the purpose and substantially in the manner described. 25

2. A sheet-metal can provided with a metallic stripping portion adapted to be removed by means of a strip-winding key and with a flat supporting-surface for said key contiguous and at right angles to said stripping portion, substantially as described. 30

3. A sheet-metal can provided with a metallic stripping portion adapted to be removed by means of a strip-winding key, and with a supporting-surface for said key at right angles to and below the plane of said stripping portion, substantially as described. 35

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