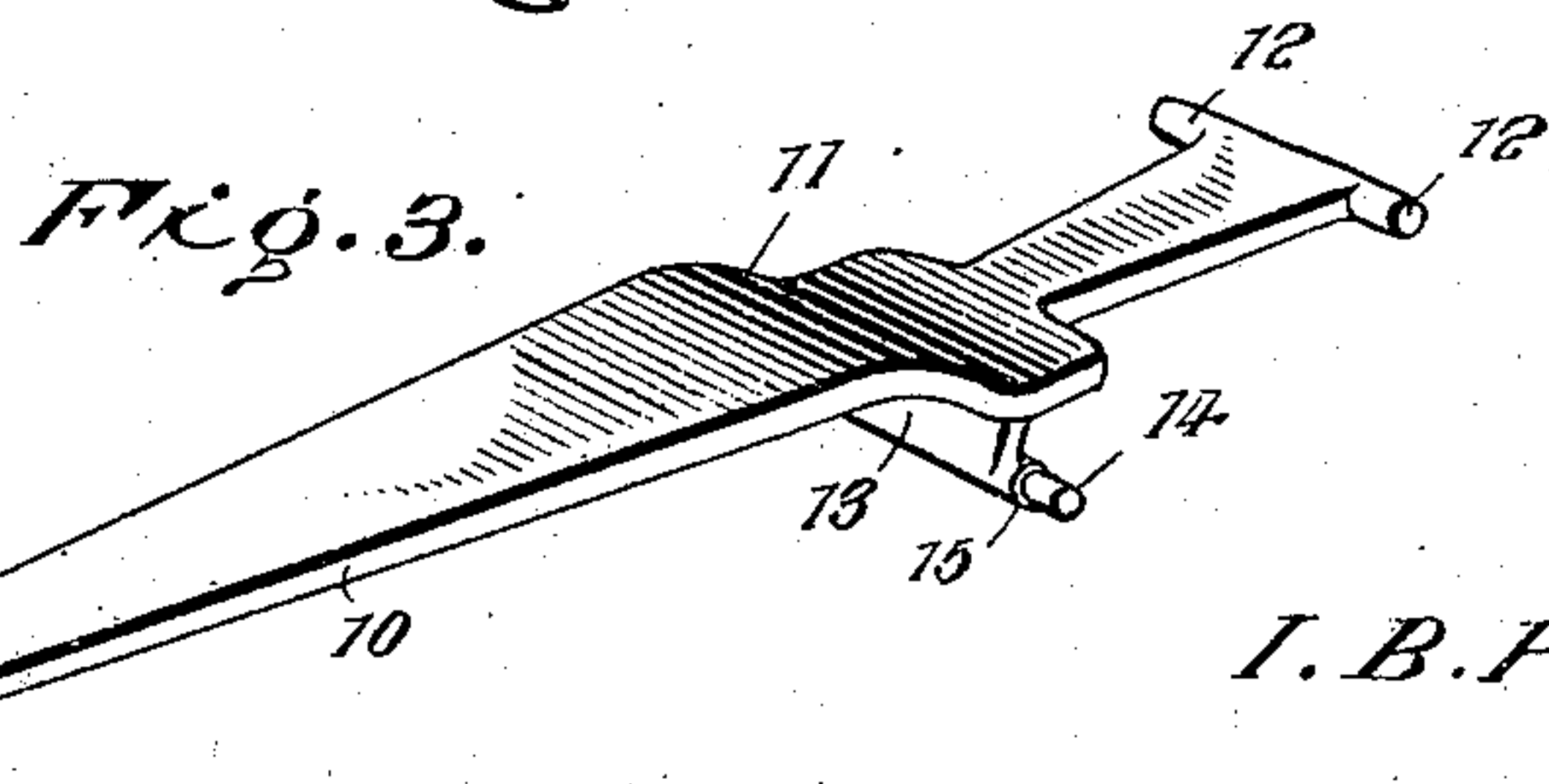
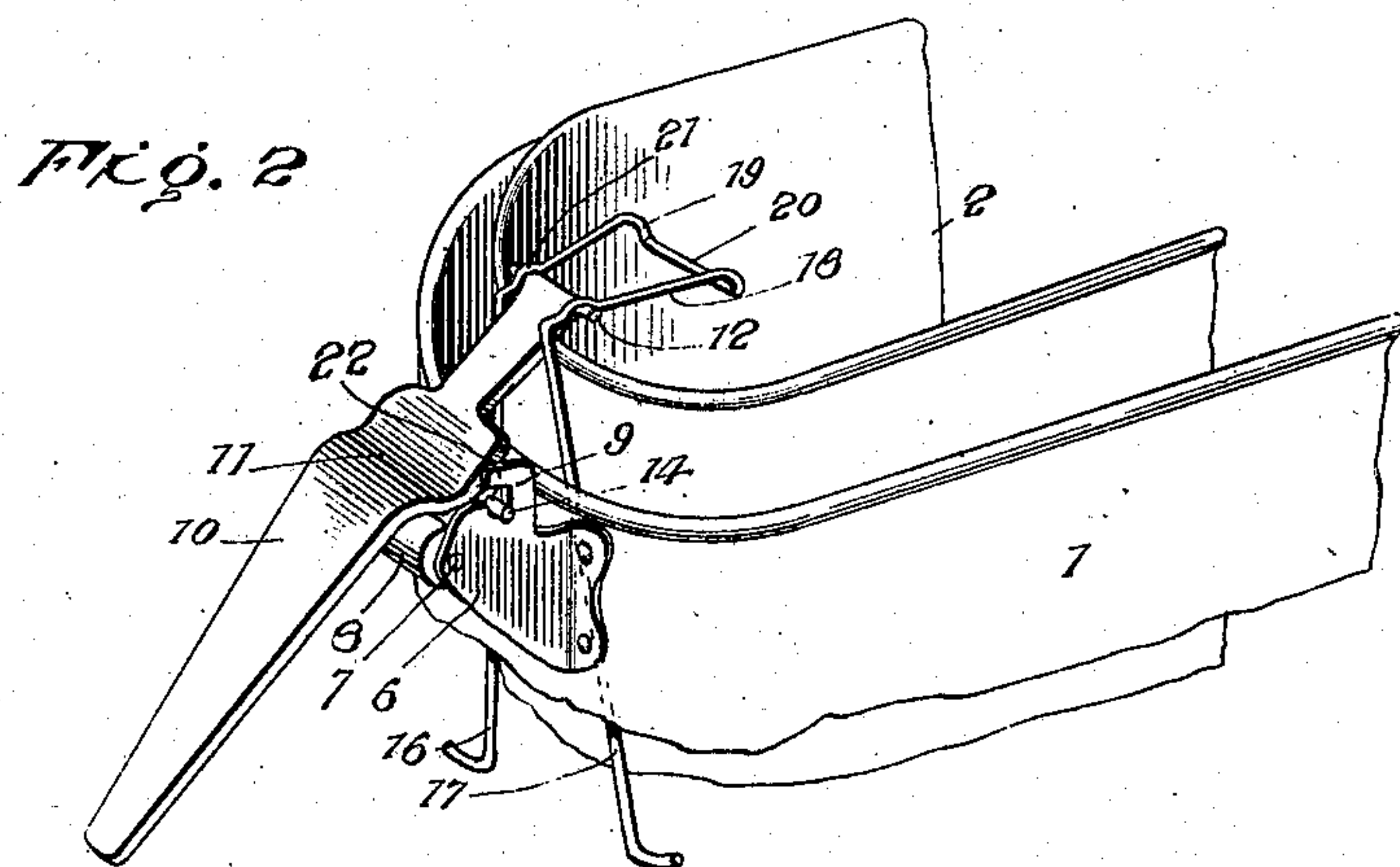
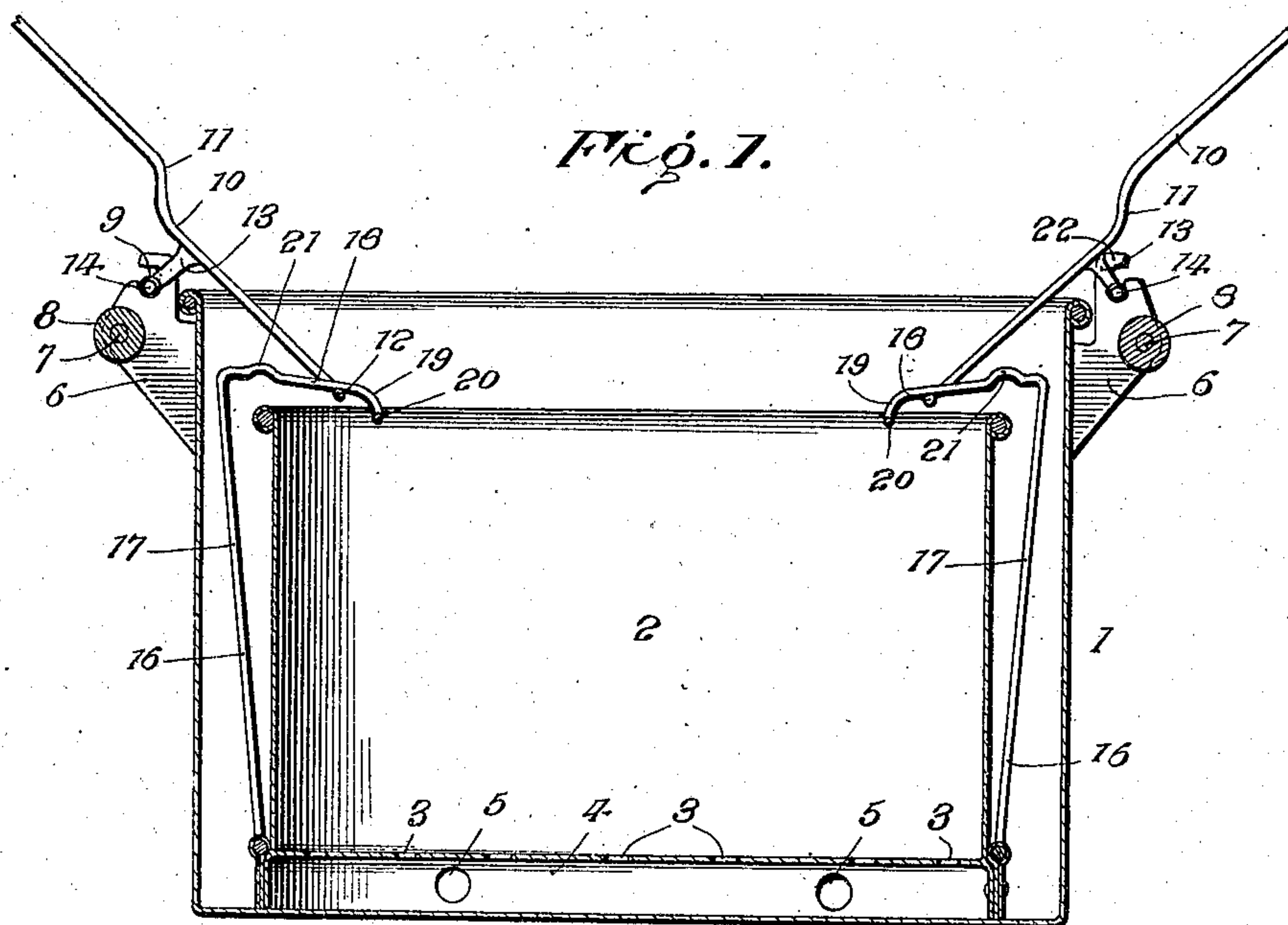


No. 881,335.

PATENTED MAR. 10, 1908.

I. B. PARSONS.
WASHBOILER.

APPLICATION FILED JUNE 28, 1907.



Inventor

I. B. Parsons,

Witnesses

W. H. Hudson

By

Har. Macy, Attorneys

UNITED STATES PATENT OFFICE.

ISAAC B. PARSONS, OF BATHGATE, NORTH DAKOTA.

WASHBOILER.

No. 881,335.

Specification of Letters Patent.

Patented March 10, 1908.

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To all whom it may concern:

Be it known that I, ISAAC B. PARSONS, citizen of the United States, residing at Bathgate, in the county of Pembina and State of North Dakota, have invented certain new and useful Improvements in Washboilers, of which the following is a specification.

The present invention relates to certain new and useful improvements in that type of wash boilers embodying a pair of shells one of which fits loosely within the other, and resides more particularly in the provision of novel means for elevating the inner shell for the purpose of draining the contents thereof and removing it from the outer shell.

With this object in view the invention contemplates novel means for mounting operating levers upon the outer shell, the said operating levers forming a means for manipulating the inner shell.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a longitudinal sectional view through a wash boiler embodying the invention. Fig. 2 is a perspective view of one end of the boiler, portions being broken away and the inner shell being shown in an elevated position. Fig. 3 is a detail view of the operating lever.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Specifically describing the invention the numeral 1 designates the outer shell which is shown as being identical in shape with the wash boilers in common use. Removably mounted within the outer shell 1 is the inner shell 2 which is somewhat smaller than the said outer shell, the bottom of the inner shell being perforated as indicated at 3 and the sides thereof being extended downwardly below the bottom as indicated at 4. These extensions 4 of the sides are formed with the openings 5 which facilitate circulation of the water within the boiler. When the boiler is in use the water between the bottoms of the two shells becomes heated to a comparatively hot temperature and rises through the openings 3 within the inner shell. At the same time the colder water within the space between the sides of the two shells passes

through the openings 5 into the space between the bottoms of the shells. In this manner a continuous circulation of the water is obtained which will bring about a thorough and rapid cleansing of the clothes contained within the inner shell 2.

Opposite ends of the outer shell 1 are provided with handles, each of the handles being constituted by a pair of outstanding ears 6 connected by a bolt 7 having the handle member or sleeve 8 mounted thereon. The ears 6 are extended upwardly slightly beyond the outer shell 1 and formed with notches 9 constituting bearings for the operating levers 10. In the specific construction of the operating levers 10 it will be observed that the same are provided toward their inner ends with an offset portion 11 throwing the outer portion of the handle upwardly, the inner end of the lever being contracted and formed at its extremity with the oppositely projecting lateral extensions 12. At a point adjacent the offset portion 11 the levers 10 are formed with a downwardly extending arm 13 carrying the lateral studs 14 having their extremities reduced and received loosely within the notches 9, the said reduced ends terminating in shoulders 15 which coöperate with the upward extensions of the ears 6 to prevent lateral displacement of the operating levers.

The inner shell 2 is provided upon opposite ends with bails 16 designed to detachably engage the inner ends of the operating levers 10 when it is desired to elevate the inner shell to drain the contents thereof or to remove it from the outer shell. Each of these bails 16 comprises a pair of spaced upright members 17 diverging downwardly and having their lower ends pivotally connected to the base of the inner shell, the said upright members terminating in lateral arms 18 projecting inwardly over the sides of the inner receptacle. The extremity of each of these lateral arms 18 is extended downwardly at 19 and connected by the cross bar 20. It will also be observed that crimps 21 are formed in the cross bars 20 adjacent their junction with the upright members 17.

When it is desired to elevate the inner shell the inner ends of the operating levers are thrown into engagement with the respective bails 16 so that the lateral extensions 12 are received under the lateral arms 18. The studs 14 may then be placed within the notches 9 and the outer ends of the levers

pressed downwardly in order to elevate the inner shell. As the inner ends of the levers swing upwardly it will be apparent that the same will at the same time move outwardly and the extensions 12 be drawn into engagement with the depressions in the lower face of the arms 18 formed by the crimps 21. When in this position the extensions 12 are locked against sliding movement upon the lateral arm 18 and the inner shell is held in a suspended position so that the contents thereof can drain into the outer shell. Owing to the fact that the upright members 17 of the bails 16 are diverged downwardly it will be readily apparent that when the inner shell is lifted from the outer shell the lateral extensions 12 of the levers will slide downwardly upon the upper portions of the said upright members 17 and pass freely through the diverged lower portions of the same.

Among the advantages arising from the foregoing construction particular attention may be directed to the fact that the detachable connection between the operating levers and the outer shell not only permits the levers to be removed and placed out of the way when not in use, but also enables the outer shell which is the part of the device subjected to the greatest amount of wear to be replaced when required.

Attention is directed to the fact that in the preferred embodiment of the invention as shown in the accompanying drawing hooked guard members 22 are formed in connection with the upper extensions of the ears 6 and project outwardly over the notches 9 so as to prevent the studs 14 of the operating lever from becoming accidentally disengaged from the same.

Having thus described the invention, what is claimed as new is:

1. In a device of the character described, the combination of an outer shell, a handle applied to the outer shell and formed with a bearing, an inner shell received loosely within the outer shell, and a lever fulcrumed upon the bearing of the handle and serving to manipulate the inner shell.

2. In a device of the character described, the combination of an outer shell, a handle applied to the outer shell, an inner shell fitting removably within the outer shell, a bail attached to the inner shell, and an operating lever fulcrumed upon the handle and detachably engaging the said bail.

3. In a device of the character described, the combination of an outer shell, an inner shell received loosely within the outer shell, a bail loosely connected to the inner shell and provided with lateral arms, and an operating lever carried by the outer shell and provided with extensions loosely engaging the said lateral arms of the bail.

4. In a device of the character described, the combination of an outer shell, an inner

shell received loosely within the outer shell, a bail carried by the inner shell and provided with lateral arms formed with depressions in their lower faces, and an operating lever carried by the outer shell and formed with extensions slidably engaging the said lateral arms and designed to be received within the depressions to hold the inner shell in an elevated position.

5. In a device of the character described, the combination of an outer shell, an inner shell fitting removably within the outer shell, a bail carried by the inner shell and comprising downwardly diverging upright members, and an operating lever mounted upon the outer shell and provided with lateral extensions having an interlocking connection with the upper portion of the before mentioned bail and designed to pass freely through the diverged ends of the upright members when the inner shell is lifted from the outer shell.

6. In a device of the character described, the combination of an outer shell, an inner shell fitting removably within the outer shell, a bail applied to the inner shell and comprising downwardly diverging upright members having their lower ends pivotally connected to the inner shell while the upper extremities terminate in lateral arms formed with depressions in the lower faces thereof, and an operating lever mounted upon the outer shell and provided with lateral extensions slidably engaging the before mentioned arms to elevate the inner shell and designed to be received within the depressions to hold the inner shell in an elevated position, the said extensions passing freely through the diverging upright members of the bail when the inner shell is lifted out of the outer shell.

7. In a device of the character described, the combination of an outer shell, a handle applied thereto and comprising spaced ears having notches formed therein, an inner shell fitting removably within the outer shell, an operating lever carrying studs received loosely within the notches, the said operating lever serving as a means for manipulating the inner shell.

8. In a device of the character described, the combination of an outer shell, a handle applied to the outer shell, an inner shell fitting removably within the outer shell, an operating lever fulcrumed upon the handle and serving as a means for manipulating the inner shell, the said operating lever being formed with an offset portion whereby the outer portion thereof is thrown upwardly.

9. In a device of the character described, the combination of an outer shell, a handle applied to the outer shell and comprising spaced ears having notches formed therein, an inner shell fitting removably within the outer shell, a bail carried by the inner shell, and an operating lever provided with studs

journaled within the notches and also provided at its inner end with extensions detachably engaging the before mentioned bail.

10. In a device of the character described,
5 the combination of an outer shell, a handle for the outer shell comprising spaced ears having notches formed therein, guard members for the notches, an inner shell fitting removably within the outer shell, and an
10 operating lever carrying studs received

loosely within the notches, the said lever serving as a means for manipulating the inner shell.

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

ISAAC B. PARSONS. [L. s.]

Witnesses:

H. L. HOLMES,
H. H. JAMES.