

No. 706,621.

Patented Aug. 12, 1902.

S. F. WILLIAMS.
SINK STRAINER.

(Application filed Sept. 3, 1901.)

(No Model.)

Fig. 1.

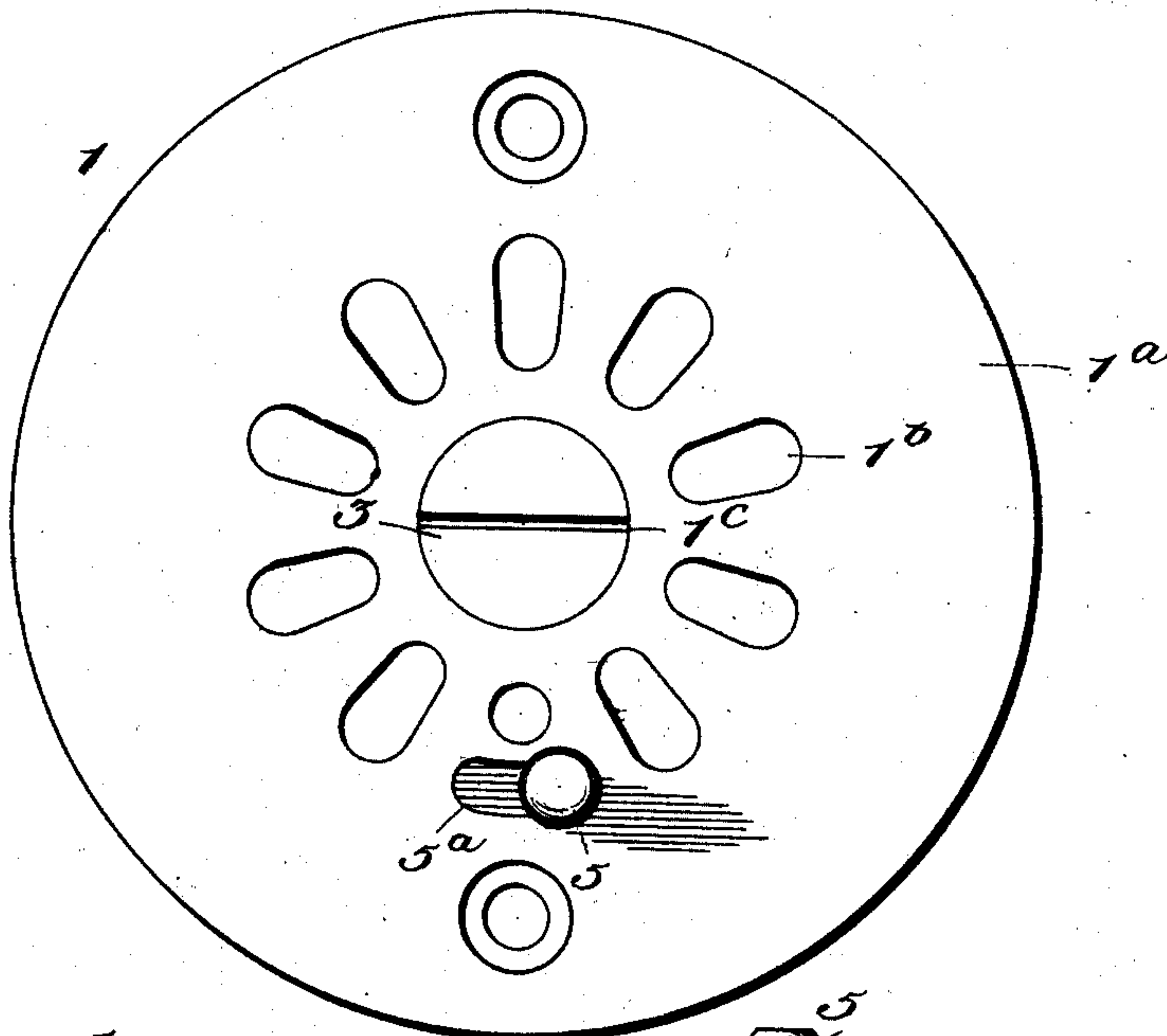


Fig. 2.

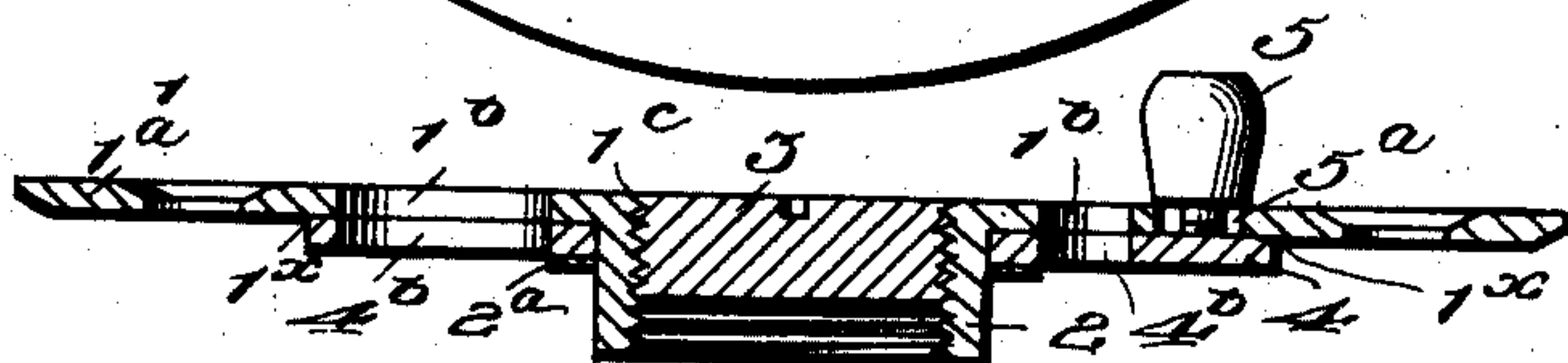
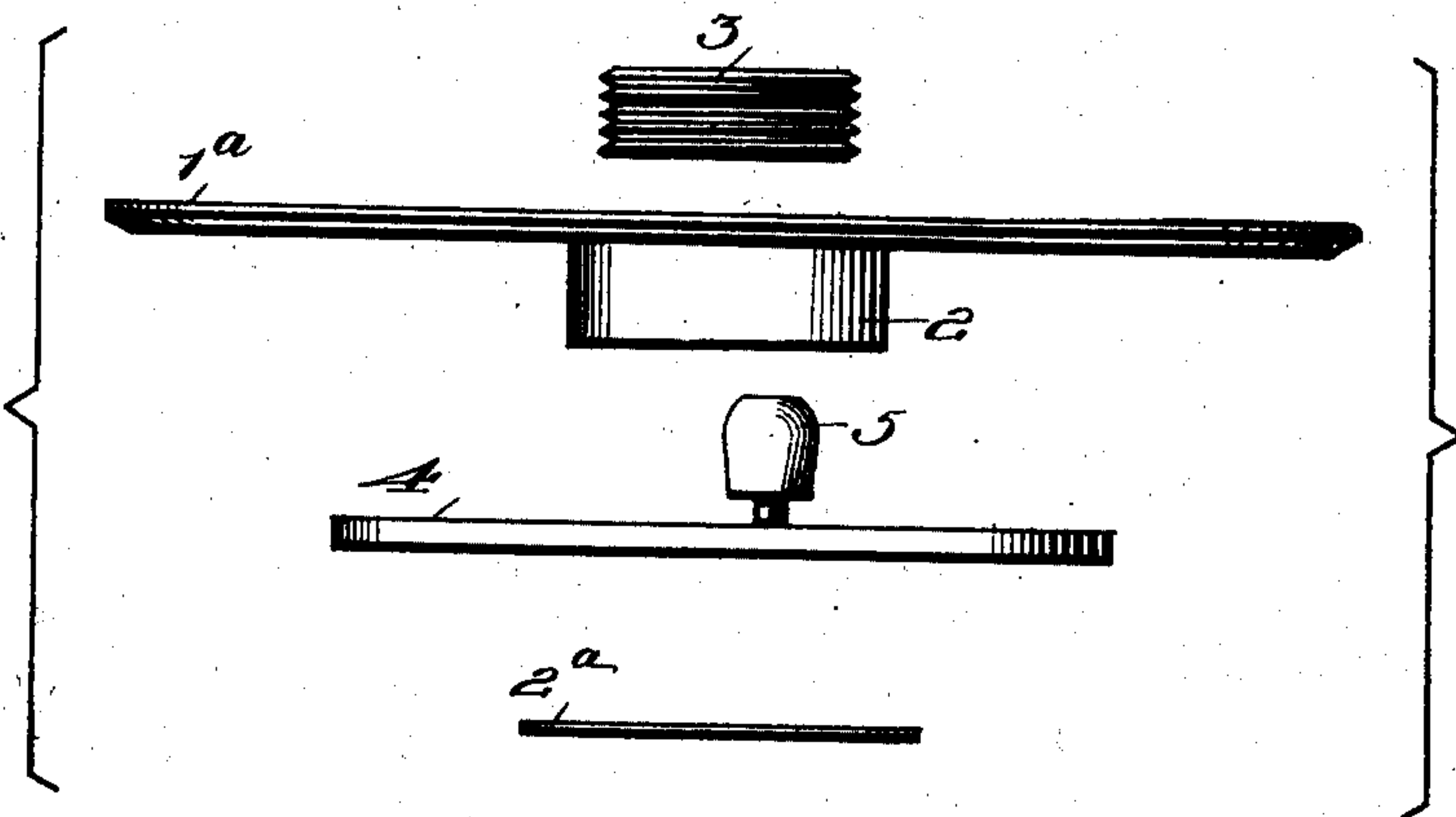


Fig. 3.



Witnesses:

Edwin R. H. Howe, Jr.
Chas. F. Hatch

by:

Samuel F. Williams, Inventor.
Edson Bros.,
Attorneys

UNITED STATES PATENT OFFICE.

SAMUEL FRANCIS WILLIAMS, OF SAN FRANCISCO, CALIFORNIA.

SINK-STRAINER.

SPECIFICATION forming part of Letters Patent No. 706,621, dated August 12, 1902.

Application filed September 3, 1901. Serial No. 74,174. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL FRANCIS WILLIAMS, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Sink-Strainers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in sinks, more especially the strainers thereof.

Having for its object particularly to simplify construction, lessen cost of manufacture, and facilitate and expedite the using of the device or invention, it consists of the combination and arrangement of parts, including their construction, substantially as hereinafter more fully disclosed, and specifically pointed out by the claim.

In the accompanying drawings, illustrating the preferred embodiment of my invention, Figure 1 is a plan view. Fig. 2 is a vertical section with plug removed. Fig. 3 is a broken enlarged view disclosing more fully the details of construction of the invention.

Latitude is allowed herein as to details, as they may be changed or varied at will without departing from the spirit of my invention and the same yet remain intact and be protected.

In carrying out my invention I provide for the sewer-pipe drain a strainer 1, as is customary, said strainer, however, differing from those heretofore in use, as herein presently called to attention. Said strainer comprises a preferably circular plate or disk 1^a, having, preferably, a radial arrangement of apertures 1^b therein, oblong, as shown, or otherwise in outline. Said plate or disk has a central opening 1^c, adapted to permit the insertion therethrough of the usual screw-threaded collar or end piece of a hose (not shown) to provide for effecting connection between said plate and said hose, as presently disclosed. Cast with the under side of said plate or disk is a pendent sleeve 2, having an inner screw-threaded surface or wall

whose screw-threads are continued along the surface or wall of the opening 1^c of said plate for the purpose as aforesaid, whereby, in event of the sink becoming clogged up or needing flushing, water under pressure may be introduced therein through said hose, the same being connected up with a suitable water-supply and said screw-threaded sleeve. A screw-threaded plug 3, suitably adapted, as shown, for convenient manipulation by a screw-driver or otherwise, is inserted into and closes said opening 1^c when said drain is not being flushed or cleaned. Said pendent screw-threaded sleeve has upon its exterior a short distance from the plate 1^a a flange or ledge 2^a to support in position thereon a second centrally-apertured plate or slide 4 and slipped upon said sleeve. Said second plate or slide contacts with the under side of the plate 1^a, being let into a slight depression 1^x therein and has also a radial arrangement of apertures 4^b to register with the corresponding arrangement of apertures 1^b of the plate 1^a or to be moved out of coincidence thereof for the purpose well understood. To permit the ready movement of the slide or plate 4, it is provided with a stud 5, projecting through a slot 5^a in the plate 1^a and adapted to be conveniently grasped by the fingers.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A sink-strainer of the character described, comprising a perforated plate or disk having a central opening with a screw-threaded edge and a screw-threaded pendent sleeve in continuation of said opening, having upon its outer surface a flange, a second perforated plate or slide arranged upon said sleeve below said first plate and carried by said flange, and means for actuating said second plate, substantially as set forth.

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

SAMUEL FRANCIS WILLIAMS.

Witnesses:

JOSEPH H. LOUSBY,

G. H. ROBERTSON.