

No. 722,965.

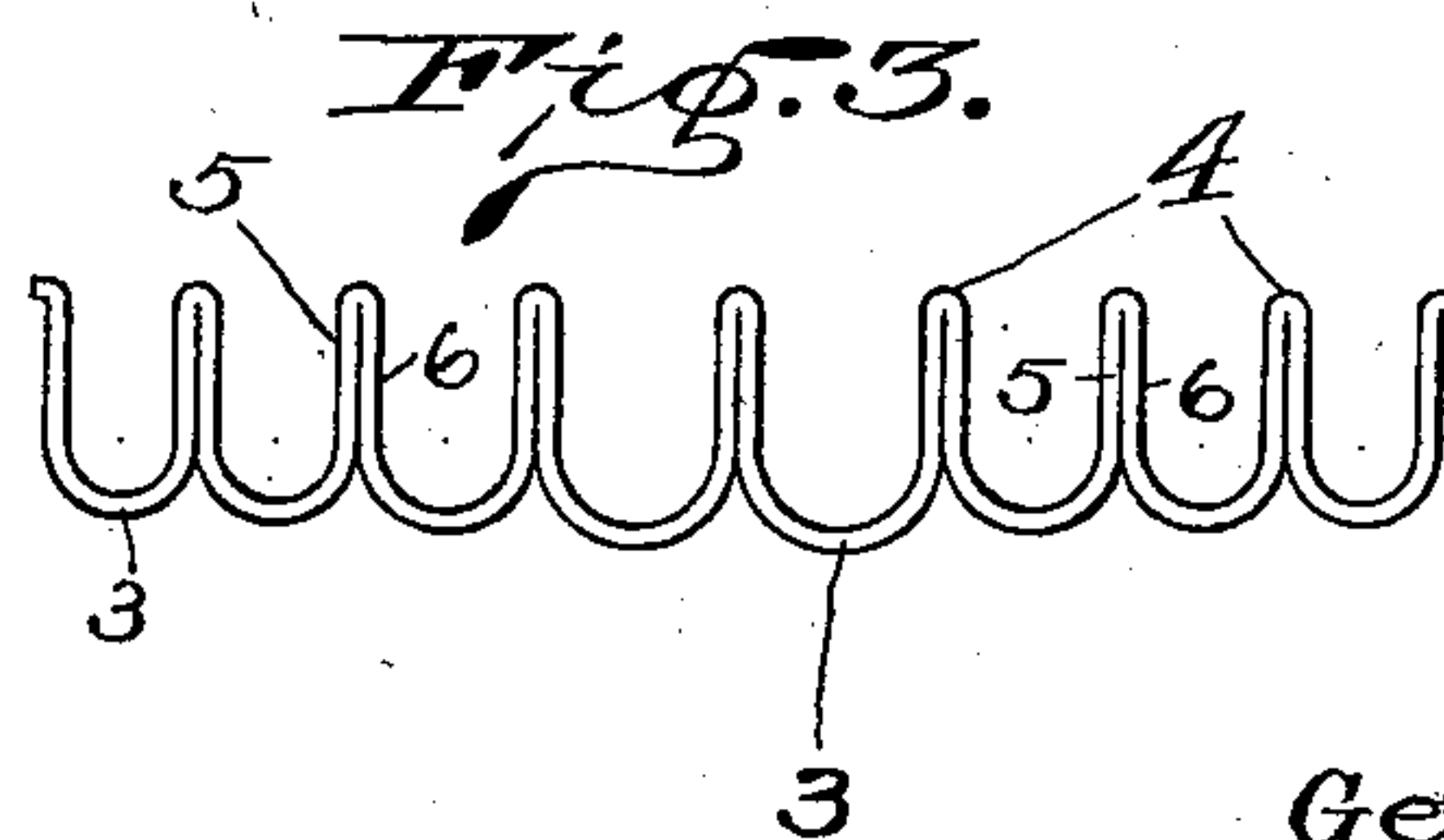
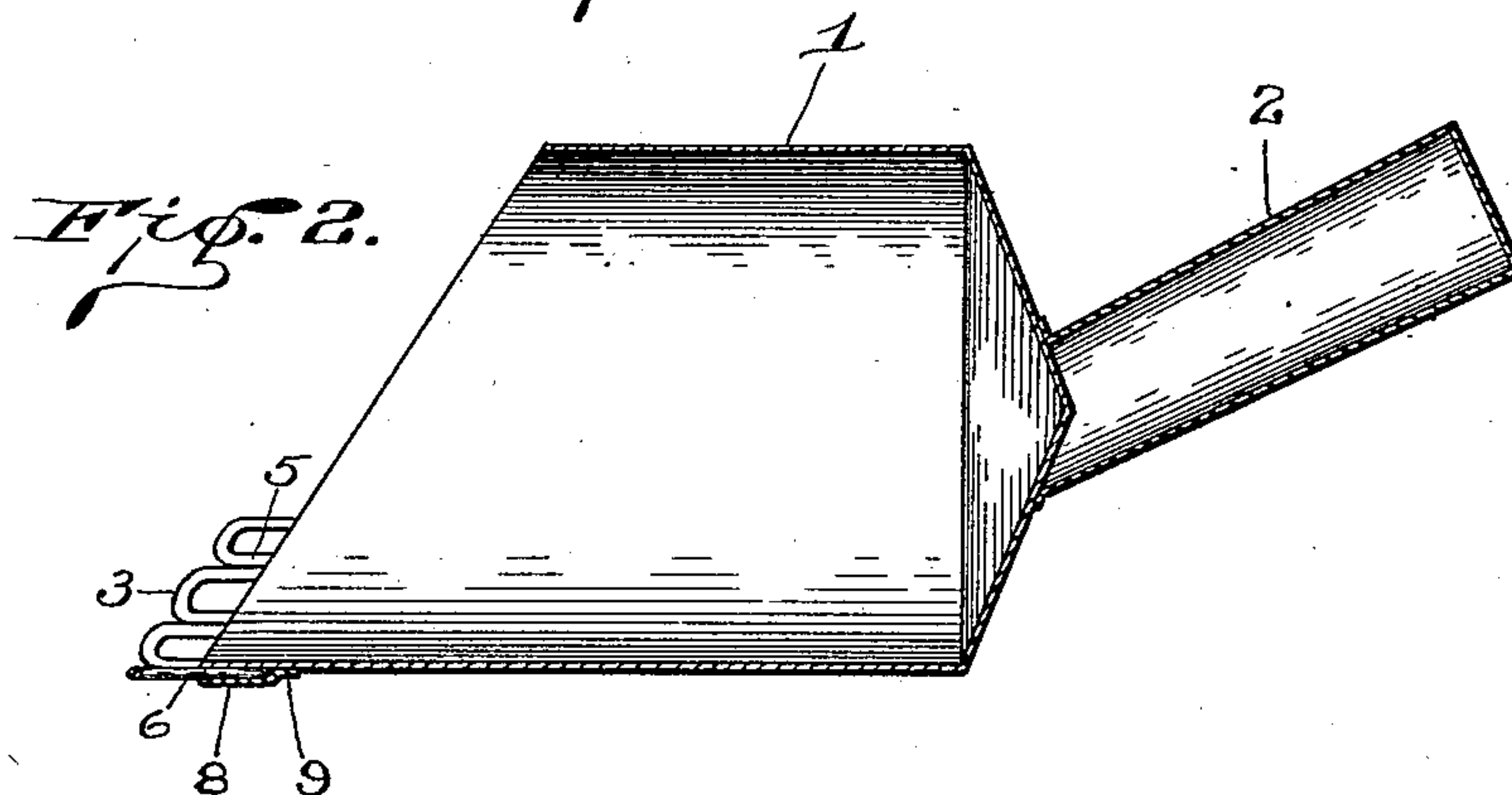
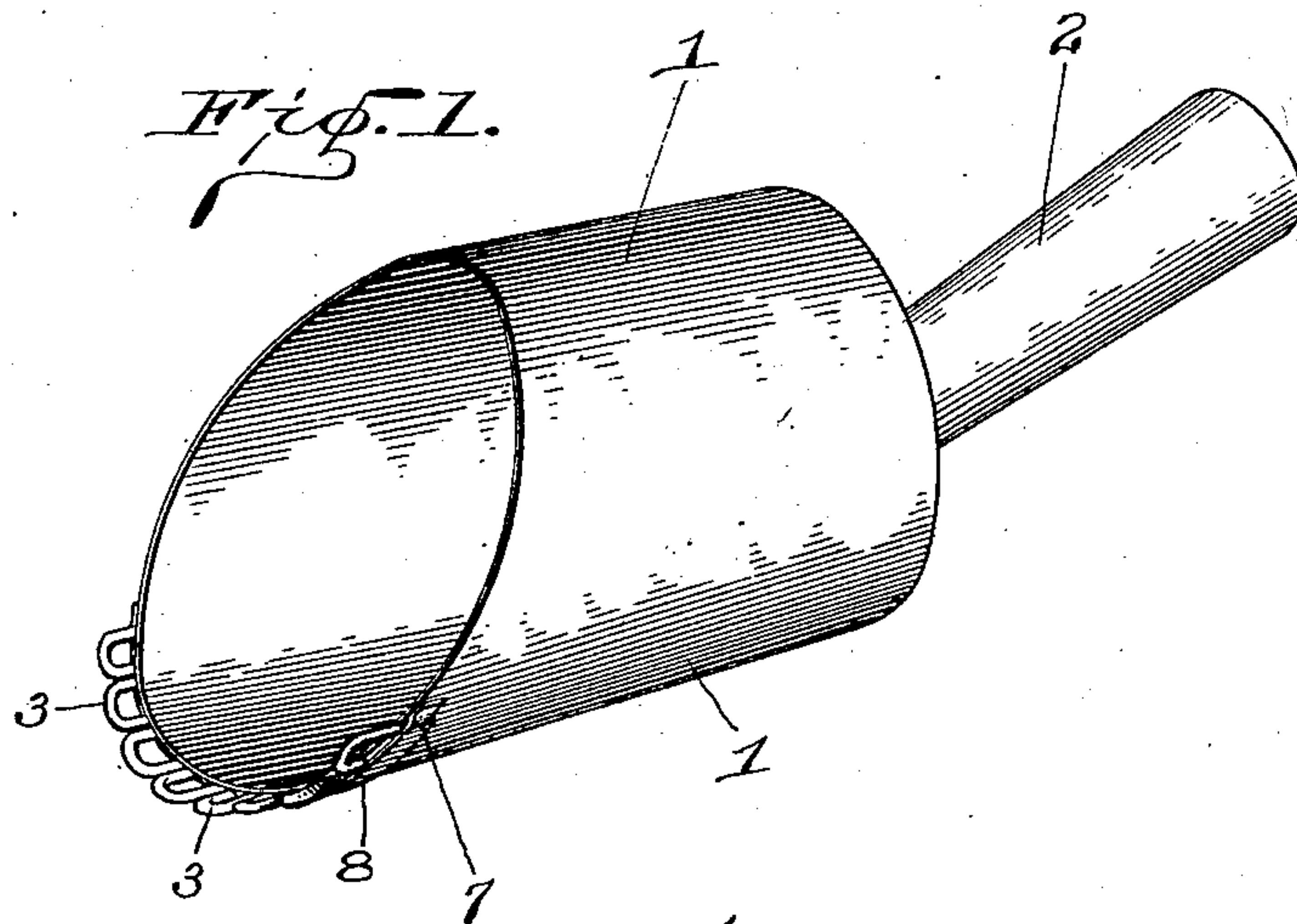
PATENTED MAR. 17, 1903.

G. FLITSCH & D. J. FLEISCHMANN.

SCOOP.

APPLICATION FILED AUG. 20, 1902.

NO MODEL.



Witnesses

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# UNITED STATES PATENT OFFICE.

GEORGE FLITSCH AND DANIEL JOHN FLEISCHMANN, OF FERNEY, SOUTH DAKOTA.

## SCOOP.

SPECIFICATION forming part of Letters Patent No. 722,965, dated March 17, 1903.

Application filed August 20, 1902. Serial No. 120,330. (No model.)

*To all whom it may concern:*

Be it known that we, GEORGE FLITSCH and DANIEL JOHN FLEISCHMANN, citizens of the United States, residing at Fernel, in the county of Brown and State of South Dakota, have invented certain new and useful Improvements in Scoops; and we 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.

Our invention has relation to scoop construction designed, primarily, for grocers' use, though useful and desirable for a great variety of purposes; and our invention consists of certain novel features of combination and construction of parts, the preferred form whereof will be hereinafter fully set forth.

The object of our invention is to provide a simple though reliably efficient attachment for use upon any scoop of the usual or any preferred design or construction which will greatly add to the efficiency of the scoop when used for removing dried fruits of various kinds without injuring the fruit.

Other objects and advantages will be hereinafter made clearly apparent, reference being had to the accompanying drawings, which are made a part of this application, and in which—

Figure 1 is a perspective view of our invention complete ready for use. Fig. 2 shows a longitudinal central section of Fig. 1, illustrating a slightly-modified construction. Fig. 3 is a detail plan view of the attachment designed to be secured to and cooperate with the edge of the scoop.

In order to conveniently refer to and designate the various details of our invention and cooperating accessories, numerals will be employed, the same numeral referring to a similar part throughout the several views.

Referring to the details of our invention and the parts deemed necessary to show a practical application thereof to use, 1 indicates the body of the scoop proper, which may be of the usual or any preferred construction and, as is well known, is now in common use by grocers and others for lifting various articles of merchandise—as dried fruits, sugar, &c.—from the original pack-

age, cask, box, or barrel into a paper bag or other receptacle to be weighed and delivered to the customer, a suitable handle 2 being provided, as is common. We reinforce the front edge or lip of our scoop by providing for cooperation therewith a projecting edge preferably formed of a single piece of wire of suitable diameter, the said wire being so bent or formed as to be provided with a plurality of outwardly-extending curved sections 3 and a corresponding plurality of inwardly-directed sections 4, said inwardly-directed sections being formed by acutely bending the wire directly back upon itself, thus disposing said wires for the short distance so as to form the parallel sections or branches 5 and 6. By thus forming the plurality of outwardly-directed curved members 3 from a single piece of wire greater cheapness and uniformity may be more readily attained than if said curved sections were separately formed and secured in place. The plurality of curved sections 3 may therefore be easily secured in place upon the cutting edge of the scoop in a variety of ways, preferably by brazing or soldering the same to the lower edge of the scoop and reinforcing the solder by the auxiliary lip 7, which is so disposed as to lie parallel with the edge of the lip of the scoop proper and arranged to cover the major portion of the parallel sections 5 and 6, and thereby insure that our improved reinforcing device will be securely anchored in its operative position upon the scoop.

In some instances a simple lip-section 8, as shown in Fig. 2, may be provided upon its inner edge with the upwardly-directed and rearwardly-extended edge 9, which latter may be soldered directly to the body of the scoop, thus leaving the forward edge of said lip 8 free and standing slightly away from the edge of the scoop, thereby providing a semi-annular pocket or seat in which the plurality of sections or terminals 4 may be readily inserted, and thereby insure that the entire device may be reliably held in place without the necessity of soldering the same therein.

By the arrangement just described the entire device formed of a single piece of wire may be easily removed and replaced, if desired, when the same shall have become worn



or otherwise unfit for further use. It will be clearly obvious that by thus reinforcing the cutting edge of the scoop with a plurality of blunt or curved sections 3 dried fruit or the like may be easily loosened in any desired quantities and removed from the original package without danger of cutting or otherwise injuring the same, which would not be possible by the use of a scoop unprovided with said reinforcement, inasmuch as the forward edge of the scoop becomes very sharp by constant use and readily cuts into the mass of dried fruit or the like, thereby greatly injuring the same and rendering it undesirable for sale.

While we have shown that the reinforcement may be permanently secured in place in any preferred way upon the cutting edge of the scoop, we reserve the right to attach the same so that it may be removed from its position, as more fully shown in Fig. 2.

Scoops as now constructed may be readily provided with our reinforcing device, (illustrated in Fig. 3,) as by soldering said device upon the under side of the lip, no further change being required.

Believing that the advantages of our invention have thus been made clearly apparent from the foregoing specification, considered in connection with the accompanying drawings, further description is deemed unnecessary.

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

As a new article of manufacture, a scoop provided upon the under side of its lip with a pocket, in combination with a wire bent upon itself whereby it will be formed into a plurality of corrugated sections or loops, said wire thus bent being adapted to be received by said pocket and thus dispose the bends of said loop-sections beyond the cutting edge of the scoop proper substantially as specified and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

GEORGE FLITSCH.

DANIEL JOHN FLEISCHMANN.

Witnesses:

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