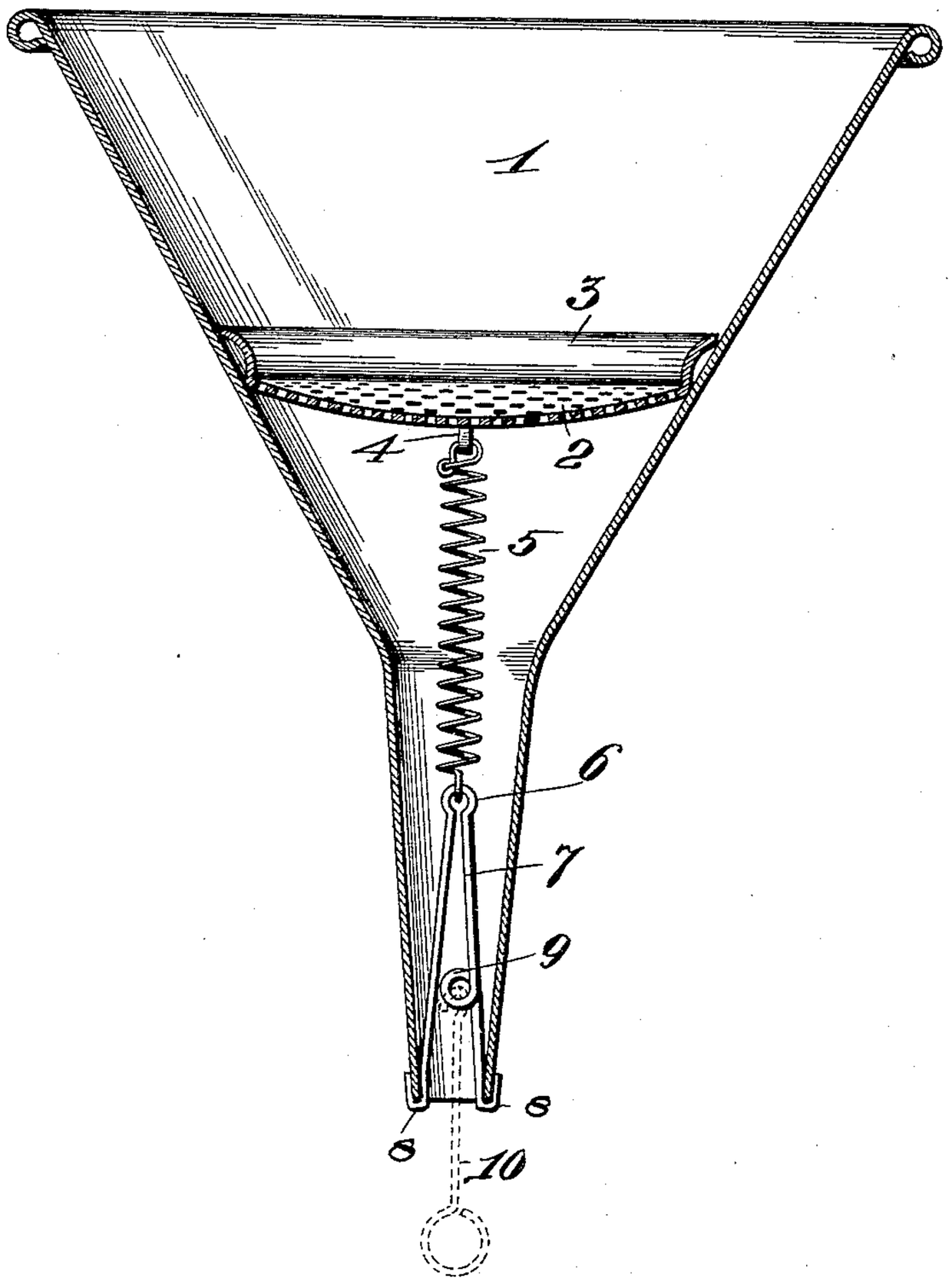
No. 625,551. Patented May 23, 1899.

C. GEORGEN.

FUNNEL.

(Application filed Aug. 9, 1898.)

(No Model.)



Attest
W. P. Smith
Maude Griffin

Inventor:
Charles Georgen.
By Higdon & Longan
Atty's.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

CHARLES GOERGEN, OF ST. LOUIS, MISSOURI.

FUNNEL.

SPECIFICATION forming part of Letters Patent No. 625,551, dated May 23, 1899.

Application filed August 9, 1898. Serial No. 688,178. (No model.)

To all whom it may concern:

Be it known that I, CHARLES GOERGEN, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Funnels, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, forming a part hereof.

My invention relates to funnels; and it consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

The figure is a vertical sectional view of a funnel of my improved construction.

Referring by numerals to the accompanying drawing, 1 indicates the body of the funnel, which is of the usual form and construction, and arranged to fit within the flaring portion of the funnel a short distance above where the spout joins with the body is a perforated concave plate 2, the edge of which plate is formed into an upwardly and outwardly extending flange 3, that rests directly against the inner face of the body portion of the funnel.

Fixed to and depending from the under side of the center of the perforated plate 2 is a loop 4, in which is engaged the upper end of the retractile coil-spring 5, to the lower end of which coil-spring is secured a loop 6, that is formed in the center of the length of wire 7, the lower ends of which length of wire are formed into the upwardly-turned hooks 8. Formed in one of the downwardly-extending portions of the wire 7 is a loop 9, which may be engaged by the hooked end of an instrument 10. (Shown in dotted lines.)

In positioning the perforated plate within the body of the funnel the length of wire 7, provided with the hooks 8, is passed downwardly through the spout of the funnel, and owing to the normal position of the retractile coil-spring 5 the hooked ends of the wire 7 do not protrude from the bottom of the spout of the funnel. The operator inserts the hooked end of the instrument 10 in the lower end of the spout and engages the loop 9. The length of wire 7 may now be drawn downwardly until the hooks 8 on the lower ends thereof engage beneath the lower edge of the funnel-spout. This movement causes the retractile coil-spring 5 to be pulled out or extended, and the result will be that the perforated plate 2 is very rigidly set in the body of the funnel and the hooks 8 will be engaged upon the lower edge of the spout. To remove the perforated plate from the funnel, it is only necessary to insert the instrument in the lower end of the funnel-spout, engage the loop 9, draw the length of wire 7 downwardly until the hooks 8 are disengaged from the lower edge of the spout, press said hooks toward each other, and allow the same to pass into and upwardly through the spout.

By my improved construction a strainer may be instantly applied to an ordinary funnel, and when desired said strainer may be removed in order that that portion of the funnel and spout below said strainer may be cleansed and the funnels may be nested while being shipped or stored, this being an operation that is impossible where funnels are provided with fixed strainers.

My improved construction is applicable for funnels of any construction, and any ordinary funnel may be instantly transformed into a straining-funnel.

I claim—

A funnel, constructed with the usual body portion, a perforated plate removably located in said body portion, a retractile coil-spring fixed to and depending from the under side of said plate, and a length of wire depending from the lower end of the retractile coil-spring, in which length of wire is formed a loop and the lower ends of said wire being formed into upwardly-turned hooks, substantially as specified.

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

CHAS. GOERGEN.

Witnesses:

EDWARD E. LONGAN,

M. P. SMITH.