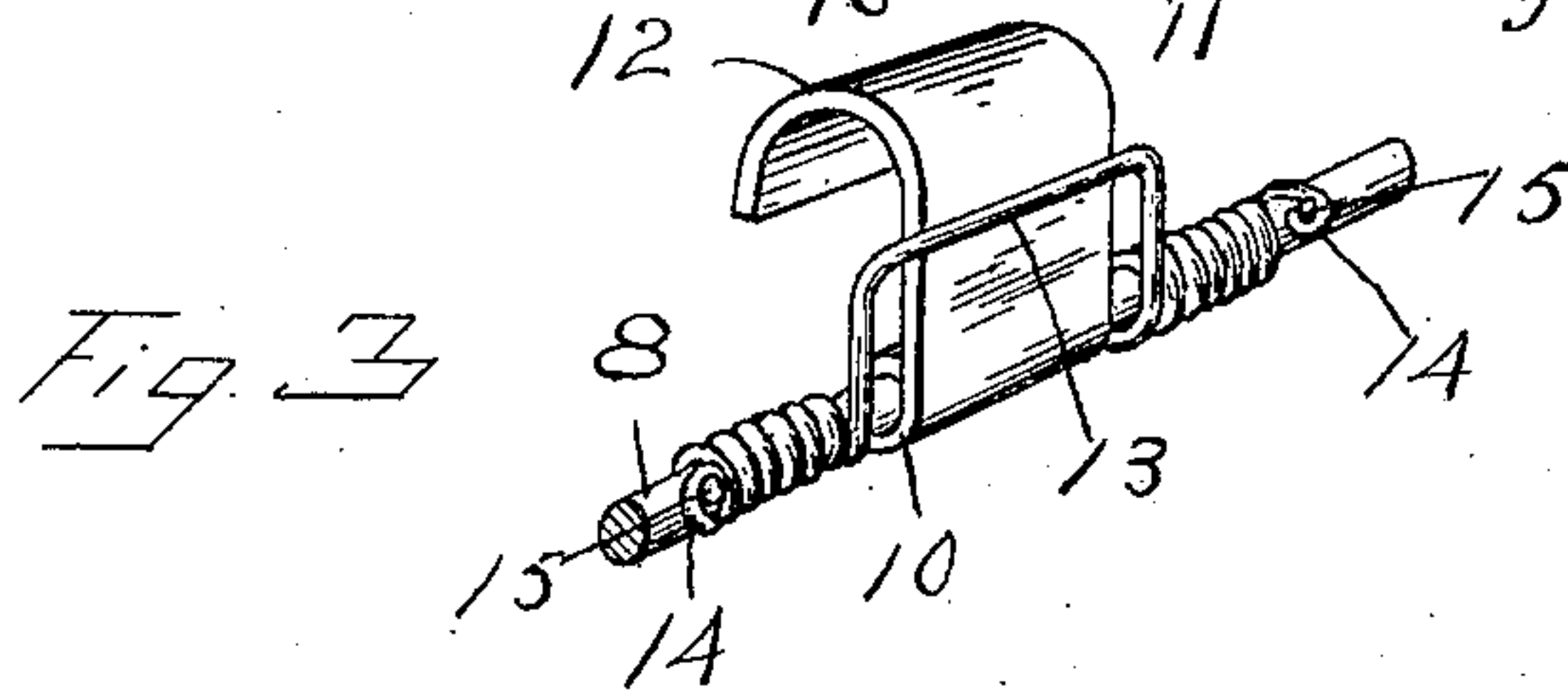
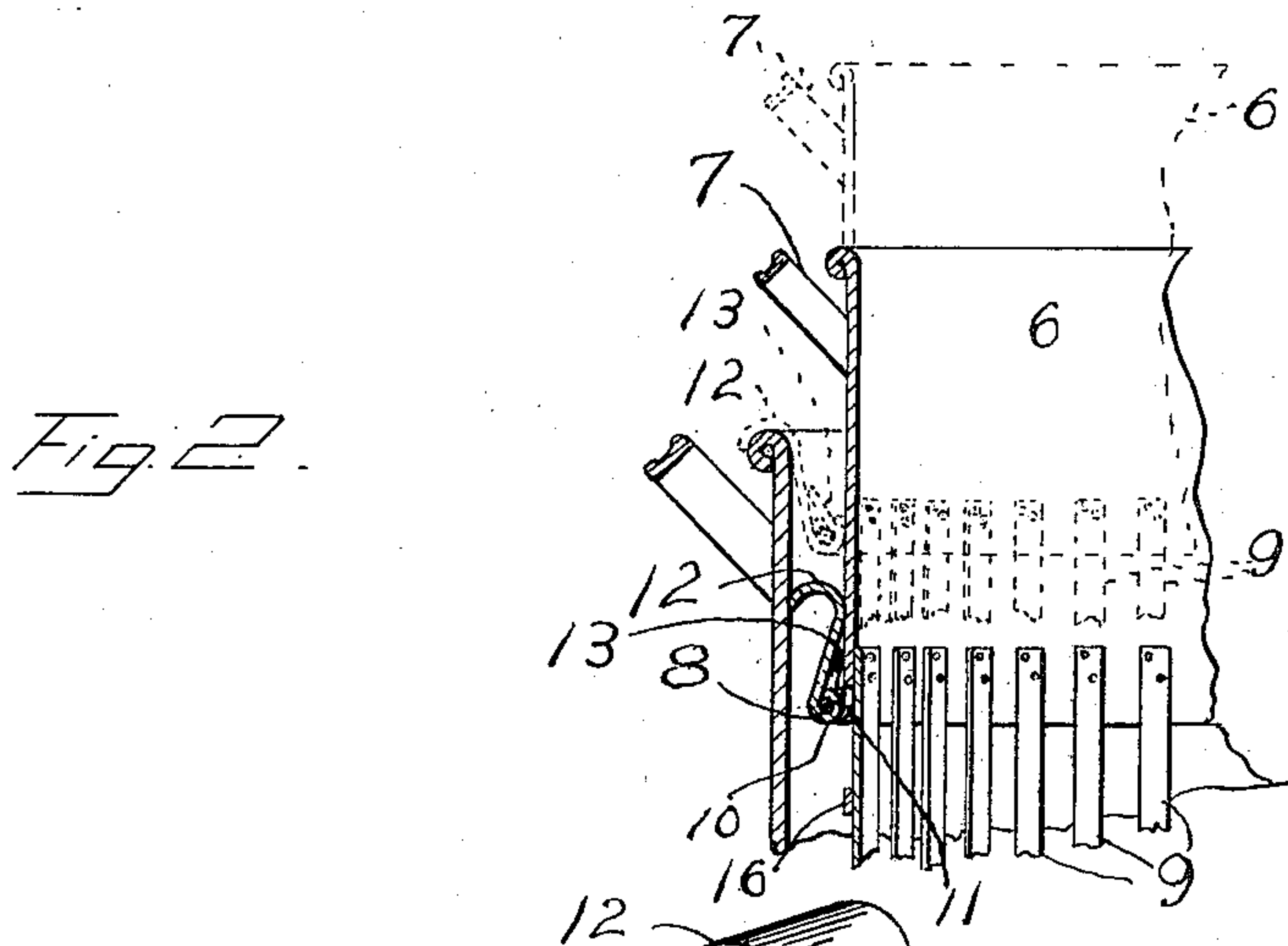
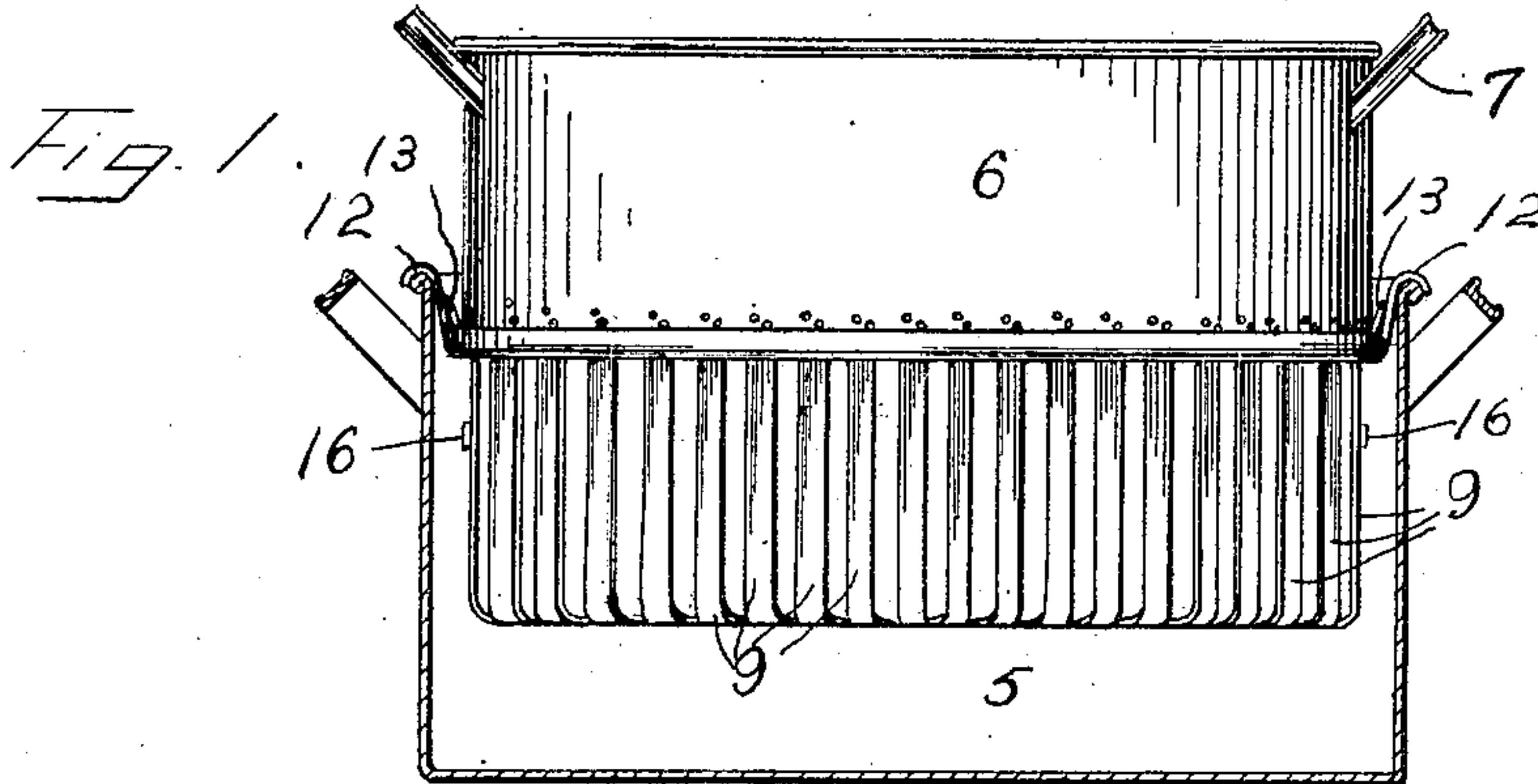


A. O. DANIELS.
CLOTHES DEAINER.
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917,552.

Patented Apr. 6, 1909.



Witnesses
J. C. Simpson.
J. G. Smith.

Inventor
Aina O. Daniels.

By *Charles Chandler*
Attorney

UNITED STATES PATENT OFFICE.

AINA O. DANIELS, OF BELLEFOURCHE, SOUTH DAKOTA.

CLOTHES-DRAINER.

No. 917,552.

Specification of Letters Patent.

Patented April 6, 1909.

Application filed March 9, 1908. Serial No. 420,024.

To all whom it may concern:

Be it known that I, AINA O. DANIELS, a citizen of the United States, residing at Bellefourche, in the county of Butte, State of South Dakota, have invented certain new and useful Improvements in Clothes-Drainers; 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.

This invention relates to clothes drainers and more particularly to that class which are designed for use in connection with a wash boiler.

In this class of clothes drainers it is necessary to provide some means upon the drainer for engagement with the upper edge of the wash boiler to support the drainer in raised position or in other words above the bottom of the said boiler and in this manner permit water to drain from the clothes, and it is in such means that the novelty of my invention lies, I having aimed to provide a means for this purpose which will be effectual in its operation under all conditions and will not be interfered with by clothes within the drainer.

In the accompanying drawings, Figure 1 is a view in side elevation of the drainer the same being shown within a wash boiler which latter is shown in section, the drainer being raised to draining position, Fig. 2 is a similar view in detail but of only a portion of the drainer and wash boiler the drainer being shown in full lines as lowered into the boiler and in dotted lines as raised to draining position, and, Fig. 3 is a detail perspective view of a portion of one end of the drainer showing the spring controlled hooks for engagement with the upper edge of the wash boiler.

In the drawings there is shown a wash boiler 5 which is of the ordinary type and of any desired size.

The drainer embodied in my invention comprises a side wall 6 which is of substantially the same contour as the corresponding wall of the boiler 5, is formed of sheet metal, and is provided at each end and at its upper edge with a handle 7. At its lower edge, the wall 6 of the drainer is provided with a rim wire 8 which has two functions one of which is to strengthen the side wall and maintain its shape, and the other of which is to support the hooks designed for engage-

ment with the upper edge of the wash boiler as will be presently fully explained. The lower portion of the drainer is formed of strips 9 of metal riveted at their ends to opposite points at the lower edge of the side 6, these strips being intersected one by the other at the middle of the bottom of the device.

From the foregoing it will be understood that the drainer embodied in my invention comprises a sheet metal upper portion and a foraminous lower portion and it will be further understood that when the drainer is supported within the wash boiler, the upper or integral portion 6 thereof will extend above the upper edge of the boiler and prevent splashing of the water from the clothes onto the stove.

The hooks heretofore mentioned will now be described. Each of the hooks is made up of a plate or strip of sheet metal which is bent at one end as at 10, loosely around the rim wire 8 at one end of the drainer, the side wall 6 of the drainer being cut away at each end as at 11 to admit of free movement of the hook upon its pivot which is the said rim wire. The other end of each of the plates is bent over in an outward direction to provide a hook as at 12. In order that each of these hooks may have a tendency toward outward movement exerted upon them, a resilient wire is bent at its middle to form an inverted U-shaped portion 13 which bears against the inner face of the body of the corresponding hook, the end portions of the wire being coiled around the rim wire 8 to each side of the respective hook and the wire is formed at its extreme end with eyes 14 which engage with small studs or projections upon the rim wire. When the drainer is placed within the wash boiler, the hooks are swung to the position shown in Fig. 3 of the drawings and when the drainer has been so inserted the bills 12 of the hooks will bear against the sides of the wash boiler. After the clothes have been boiled the proper length of time and it is desired to drain the water from them the drainer is raised or lifted by grasping the handle 7 at the upper end edges of its side 6 until the lower edge of its said side is substantially in a horizontal plane with the upper edge of the corresponding wall of the wash boiler. At such time, the hooks will be sprung outwardly from the action of their controlling springs 13 and will engage with the upper end edges

of the wash boiler, the drainer being in this manner supported in raised position or in other words above the water level within the boiler. In order to limit the pivotal movement of the hooks when the drainer is not in use, I provide at each end of the lower or foraminous portion of the drainer, a short strip 16 which connects the end portions of two of the basket forming strips 9 each of these strips 16 being located in a vertical plane with its corresponding hook but in a horizontal plane slightly below the rim wire 8, it being understood of course that the spring wire 13 for each hook may force the hook upon its pivot until in engagement with the strip or stop 16 and that further movement is prevented. The construction just described, namely the provision of the strip 16, is a very desirable one for the reason

that when the device is not in use, the springs are relieved of a considerable degree of tension.

What is claimed, is—

A drainer comprising a body portion having a wire secured to and extending around its lower edge, spring-pressed hooks pivoted on the wire, spaced strips depending from said lower edge to form a foraminous bottom, and cross-strips connecting said strips adjacent to and below the hooks to limit the inward swing thereof.

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

AINA O. DANIELS.

Witnesses:

THOMAS W. LA FLEICHE,
FLOYD B. TAYLOR.