

W. KAMMERER & E. J. SCHNEIDER.
OVERSHOT FISHING TOOL.

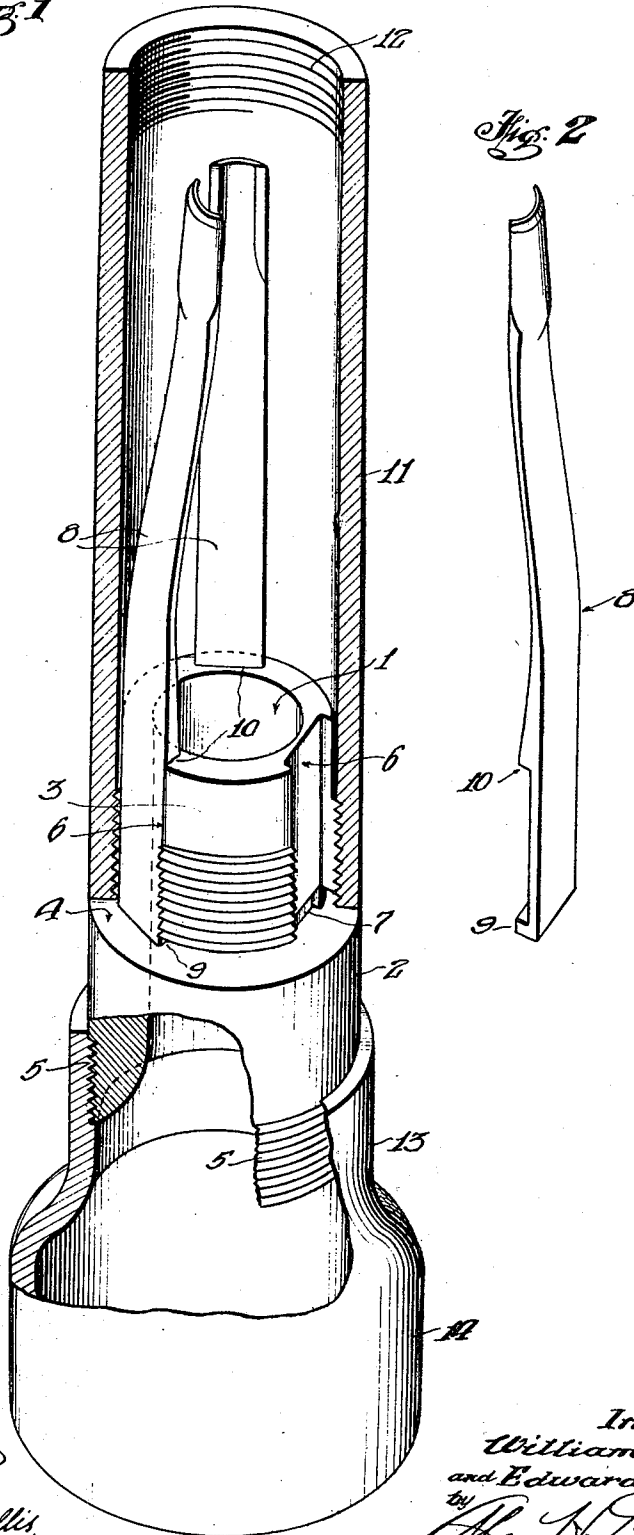
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995,875.

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Fig. 1

Fig. 2



Witnesses:
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UNITED STATES PATENT OFFICE

WILLIAM KAMMERER, OF LOS ANGELES, AND EDWARD J. SCHNEIDER, OF HOLLYWOOD, CALIFORNIA.

OVERSHOT FISHING-TOOL.

995,875.

Specification of Letters Patent. Patented June 20, 1911.

Application filed September 27, 1910. Serial No. 584,120.

To all whom it may concern:

Be it known that we, WILLIAM KAMMERER, and EDWARD J. SCHNEIDER, both citizens of the United States of America, residing, respectively, at Los Angeles and Hollywood, in the county of Los Angeles, State of California, have invented a certain new and useful Overshot Fishing-Tool; 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.

This invention relates to an overshot fishing tool and it consists in the improved construction, arrangement and combination of the parts of the tool substantially as shown in the drawing and as will appear from the description and claims hereinafter.

Objects of the invention are to provide a tool of the nature specified, which is simple in character, durable and effective in use, and the construction of which permits of the parts being quickly assembled and also permits of readily taking them apart should it be found necessary or desirable to repair or to replace one or more of the same.

Other objects and the advantages of the invention will be readily apparent to those skilled in the art from a consideration of the following description of the preferred form of construction in which it may be embodied, taken in connection with the accompanying drawings, in which—

Figure 1 is a perspective view of an improved construction for the tool, one of the fingers being detached and other parts shown in section or broken away, and Fig. 2 is a detail of one of the fingers.

The cylindrical part 2 may be formed with an opening 1 therethrough and may have its upper portion 3 of decreased diameter to provide the shoulder 4. The lower end portion 5 of the part 2 is exteriorly threaded and also it is chamfered on the interior thereof to permit of parts of well drilling apparatus or pumping apparatus passing readily into and through the opening 1 of the part 2.

The upper portion 3 of the part 2 may be exteriorly threaded and provided with a plurality of preferably longitudinal channels 6 which may be of greater depth adjacent to the shoulder 4 to provide recesses 7. In the channels 6 are fitted the lower

portions of fingers 8 which are preferably formed with a projecting part 9 adapted to be accommodated in the recesses 7 and which fingers also may each have a shoulder 10 adapted to rest on the upper end of the part 2 adjacent to the channels 6. When the fingers 8 are in place on the part 2 the outer faces of the lower portions thereof lie below the bottom of the threads on the reduced portion 3 and the upper portions of the fingers extend to a suitable distance above the top edge of the part 2 and are so formed that they approach each other to have the upper ends thereof disposed at a smaller distance apart than the remaining portions. A tubular casing 11 of a length somewhat greater than that of the fingers 8 has its lower portion interiorly threaded to screw over the upper reduced portion 3 of part 2 and may have its upper portion 12 threaded for screw connection with any suitable apparatus for lowering the tool into a well. On the lower end portion of part 2 may be screwed a bell 13 having its mouth 14 made flaring to contact with the interior wall of the well casing or tubing to center the tool when it is lowered into the well. It will be understood that the bell may be dispensed with in some cases and when it is to be used one is selected of a size properly fit within the particular casing or tubing in the well. The fingers 8 are made of suitable material to give them strength and permit of their upper portion being sprung away from each other.

It will be understood that the tool may be used to fish out of a well parts of drilling or pumping apparatus therein and that when so used it is lowered into the well by any suitable means and it may be centered in the casing or tubing by the bell 13 when that is used and that when it reaches the top portion of the parts in the well it passes thereover whereby the fingers 8 are sprung apart by the parts and press thereagainst so that when the tool is raised the top ends of the fingers will abut against any projection on the parts and thereby permit of the latter being raised out of the well.

While one form of construction in which the invention may be embodied has been illustrated and described, it is possible that various changes and modifications will occur to those skilled in the art, and therefore the right is reserved to all such changes and

modifications as do not depart from the spirit and scope of the invention.

We claim:

1. In a device of the class specified, the combination of a cylindrical part having an opening therethrough, with a casing connected to said part, and fingers having the lower portions thereof interposed between said part and said casing, said fingers extending into the casing and formed to have the upper end portions thereof disposed closer together than said lower portions thereof.

2. In a device of the class specified, the combination of a cylindrical part having an opening therethrough, with fingers detachably disposed on said part, said fingers formed to have the upper portions thereof closer together than the lower portions thereof, and a casing detachably connected with said part, said casing surrounding the fingers and extending above the top ends of said fingers.

3. In a device of the class specified, the combination of a cylindrical part having an opening therethrough, with fingers fitted in channels on said part, said fingers extending upwardly from said part and formed to have the upper portions thereof disposed closer together than the lower portions thereof, and a casing detachably connected with said part, said casing surrounding the fingers and extending above the top ends of said fingers.

4. In a device of the class specified, the combination of a cylindrical part having a reduced upper portion and said part having an opening therethrough, said reduced portion being threaded and provided with channels, with fingers having the lower portions thereof adapted to fit in said channels, said fingers formed to have the upper portions thereof disposed closer together than said lower portions thereof, and a casing screwed

on said reduced upper portion of the part, said casing surrounding the fingers and extending above the top ends of said fingers.

5. In a device of the class specified, the combination of a cylindrical part having a reduced upper portion and said part having an opening therethrough, said reduced portion being threaded and provided with channels and recesses at the bottom of said channels, with fingers having the lower portions thereof freely fitted in said channels and recesses and having shoulders adjacent to the top edge of said part, said fingers formed to have the upper portions thereof disposed closer together than said lower portions thereof, and a casing screwed on said reduced upper portion of the part, said casing surrounding the fingers and extending above the top ends of said fingers.

6. In a device of the class specified, the combination of a cylindrical part having a reduced upper portion and said part having an opening therethrough, said reduced portion being threaded and provided with channels, with fingers having the lower portions thereof adapted to fit in said channels, said fingers formed to have the upper portions thereof disposed closer together than said lower portions thereof, a casing screwed on said reduced upper portion of the part, said casing surrounding the fingers and extending above the top ends of said fingers, and a bell detachably connected to the lower end of said part.

In testimony whereof, we have signed our names to this specification in the presence of two subscribing witnesses at Los Angeles, county of Los Angeles, State of California, this 21st day of September A. D. 1910.

WILLIAM KAMMERER.
EDWARD J. SCHNEIDER.

Witnesses:

FRED A. MANSFIELD,
OTTO J. KELLER.