

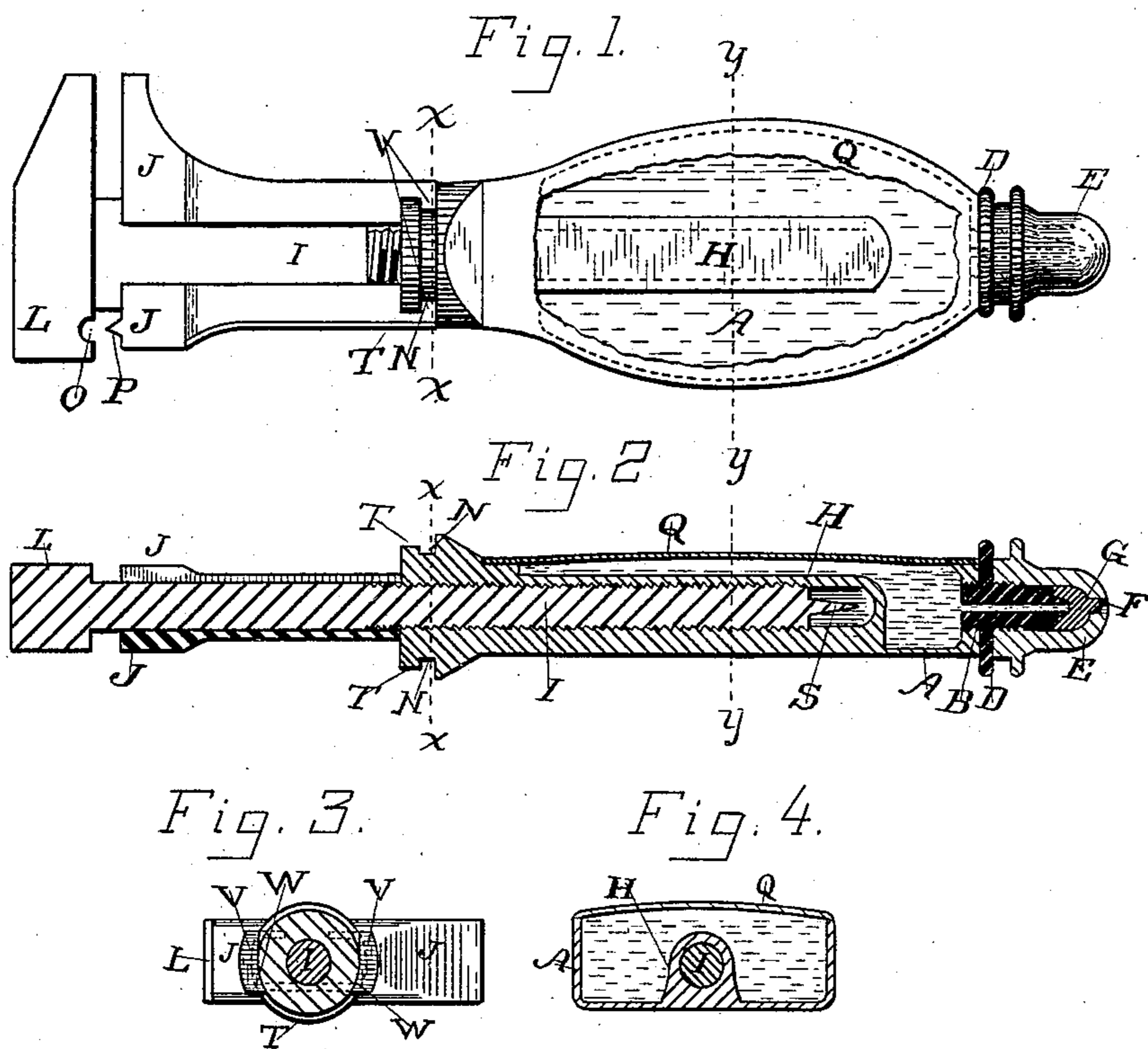
(No Model.)

D. C. WILGUS.

COMBINED OIL CAN, WRENCH, AND TOOL FOR BICYCLES.

No. 356,566.

Patented Jan. 25, 1887.



Witnesses.

James M. Townsend
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UNITED STATES PATENT OFFICE.

DANIEL C. WILGUS, OF LOS ANGELES, CALIFORNIA.

COMBINED OIL-CAN, WRENCH, AND TOOL FOR BICYCLES.

SPECIFICATION forming part of Letters Patent No. 356,566, dated January 25, 1887.

Application filed May 17, 1886. Serial No. 202,480. (No model.)

To all whom it may concern:

Be it known that I, DANIEL COOK WILGUS, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Improvement in Combined Oil-Can, Wrench, and Tool for Bicycles, of which the following is a specification.

My invention relates to that class of tools in which the oil-can and wrench are combined with each other; and it consists in a peculiar construction and adaptation of parts by which I secure superior compactness and convenience.

The handles of wrenches have heretofore been hollowed out for the purpose of holding oil; but no provision has been made whereby the oil can be forced out of the handle, for the reason that the walls of the can were necessarily thick and non-compressible, in order to give sufficient strength to the handle of the wrench. For this reason combined oil-cans and wrenches have not come into general use.

The object of my invention is to construct a combined oil-can and wrench in which the can is provided with a compressible spring-plate, whereby the oil can be forced out of the can, and at the same time secure sufficient strength and rigidity to the can to allow it to be used as a handle for the wrench. I accomplish this by means of the device described herein, and illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of my improved wrench with the spring-plate Q cut away to show the interior of the oil-can. Fig. 2 is a longitudinal vertical section of the same. Fig.

3 is a cross-section on line *x x*, Fig. 1. Fig. 4 is a cross-section on line *y y*, Fig. 1.

The handle of the wrench consists of the flat case A, the sheath H, secured to and forming a part of one side of the case, and the spring-plate Q, which is soldered upon the open side of the case to close the opening. The sheath H is threaded to receive the threaded shank I of the wrench-bar. The sheath, together with the sides of the case, will give sufficient rigidity to the oil-can to allow it to be used as a handle for the wrench, and the sheath is brought sufficiently near to the plate Q, as shown in Fig. 2, to prevent the can from being collapsed by too great pressure upon the spring plate.

I am aware that heretofore wrenches have been constructed with the threaded wrench-bar shank screwed into the threaded socket in the handle of the wrench, and I am also aware that cylindrical handles to wrenches have been hollowed out for the purpose of containing oil, and I do not claim, broadly, such constructions as parts of my invention.

What I claim as new, and desire to secure by Letters Patent, is—

In a combined wrench and oil-can, the oil-can and wrench handle consisting of the flat hollow case A, the threaded sheath H, attached to and forming part of one side of the case, and the spring-plate Q, attached to and forming the other side of the case.

DANIEL C. WILGUS.

Witnesses:

JAS. R. TOWNSEND,
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