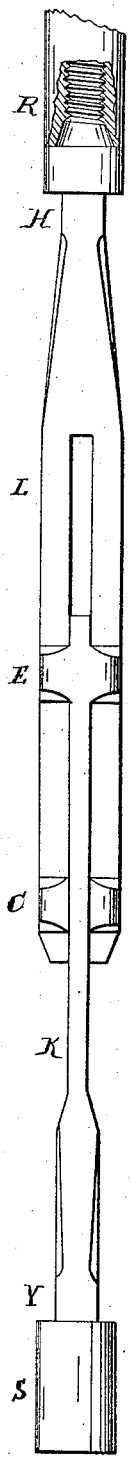
R. H. Lecky,

Rock Drill Jar.

No. 47,961. Patented May 30, 1865.



Witnesses
James J. Johnston
John Johnston

Inventor;
R. H. Lecky

UNITED STATES PATENT OFFICE.

ROBT. H. LECKY, OF ALLEGHENY CITY, PENNSYLVANIA.

IMPROVEMENT IN JARS FOR OIL-TOOLS.

Specification forming part of Letters Patent No. **47,961**, dated May 30, 1865.

To all whom it may concern:

Be it known that I, ROBERT H. LECKY, of Allegheny city, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Jars for Oil-Tools; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The nature of my invention consists in furnishing jars of oil-tools with slides or guides for preventing the surging, wabbling, crooked, and straining action on the joints and jars which is so common to the ordinary oil-tools now in use.

To enable others skilled in the art of making tools for boring oil or other wells to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawing, R represents the screw on the upper end of the upper half of the jar.

H represents the square shoulder for holding and wrenching purposes.

L represents the flat part of the upper link, upon which travel or move the slides or guides E, made on the upper end of the lower half of the jar.

C represents the slides or guides made on the lower end of the upper half of the jar, which slides or guides move on the flat part K of the lower half of the jar.

Y represents the square shoulder made on the lower half of the jar, and is used for holding and wrenching it.

S represents the ordinary socket, to which the drill is attached.

It will be observed that the slides or guides are arranged in the following order, to wit: The guides for the lower half of the jar are placed at or near the top of it, and that the guides of the upper half of the jar are placed at or near the bottom of it. The opening in each half of the jar should be made with relation to each other, so that the guides of either half of the jar will not strike each other in the lengthening out of the jar in raising the drill.

The operation of my improvement consists in the slides or guides holding each half of the jar so that they will move true and perpendicular to each other, and thereby preventing the surging, wabbling, crooked, and straining action on the joints and jars which is so common to the ordinary oil-tools now in use.

Having thus described the nature, construction, and operation of my improvement in jars for oil-tools, what I claim as of my invention is—

The use of the guides E and C, when used in connection with jars for oil-tools, said guides being arranged and operating substantially as herein described, and for the purpose set forth.

R. H. LECKY.

Witnesses:
JAMES J. JOHNSTON,
ALEXANDER HAYS.