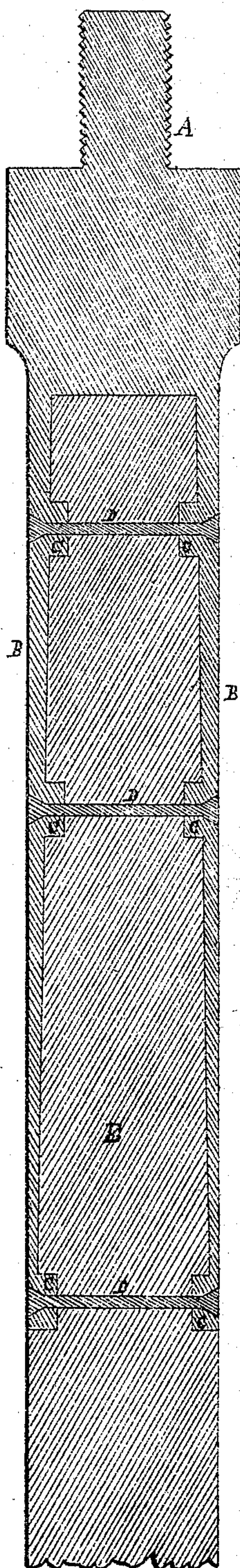


*James H. Beatty*  
*Coupling for Sucker Rods.*

117371

PATENTED JUL 25 1871



*Witnesses.*

*A. C. Johnston*

*Jos. H. Davis*

*Inventor.*

*James H. Beatty By*  
*James A. Johnston his attorney*

# UNITED STATES PATENT OFFICE.

JAMES H. BEATTY, OF FRANKLIN, PENNSYLVANIA, ASSIGNOR TO SARAH J. BEATTY, JOSIAH B. POOR, AND WILLIAM McKEE.

## IMPROVEMENT IN SUCKER-ROD JOINTS OR COUPLINGS.

Specification forming part of Letters Patent No. 117,371, dated July 25, 1871.

*To all whom it may concern:*

Be it known that I, JAMES H. BEATTY, of Franklin, in the county of Venango and State of Pennsylvania, have invented a new and useful Improvement in Sucker-Rod Joint or Coupling; and I do hereby declare that the following is a full, clear, 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 of a sucker-rod joint or coupling, with the inner surface of its straps provided with projections adapted to recesses made in the sucker-rods.

To enable others skilled in the art to make and use my invention, I will proceed to describe more fully its construction and operation.

The accompanying drawing which forms part of my specification is a vertical and longitudinal section of the male part of the coupling-joint and a section of the sucker-rod or pole.

A represents the screw of the coupling. B represents the straps. C represents projections on the inner surface of the straps. D represents the rivets. E represents the sucker-rod or coupling-pole, which is provided with recesses or notches which, in form, correspond in size and shape to the projections C on the interior of the straps B. The coupling-joint herein described

is constructed in all respects in the ordinary form, excepting the projections C on the interior of the straps B.

The cheapest method of constructing the hereinbefore-described coupling is casting it of cast-iron and subsequently annealing it, thereby forming a coupling of malleable iron. The advantage of constructing a coupling or joint for sucker-rods in the manner herein described consists in relieving the rivets from transverse strain, giving more metal for the heads of rivets, and holding the rod E more securely in its place.

The advantage of a safe and sure means for securing the sucker or pole to the coupling-joint is a desideratum with operators of oil-wells, for insecure attachments in the sucker-rod are always a very great source of annoyance.

Having thus described the nature, construction, and advantages of my improvement, what I claim as my invention is—

The straps B provided with projections C, in combination with rivets D and recesses in the rod E, constructed and arranged as herein described, and for the purpose set forth.

JAMES H. BEATTY.

Witnesses:

JAMES J. JOHNSTON,  
A. C. JOHNSTON.