

P. MARKEL.

Improvement in Thill-Couplings.

No. 128,968.

Patented July 16, 1872.

Fig 1

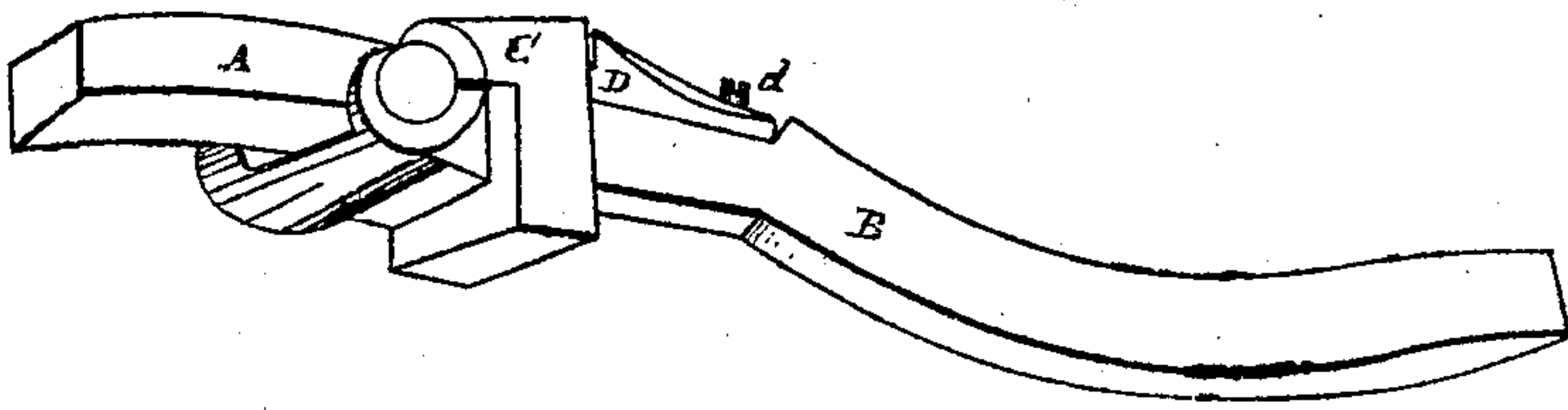
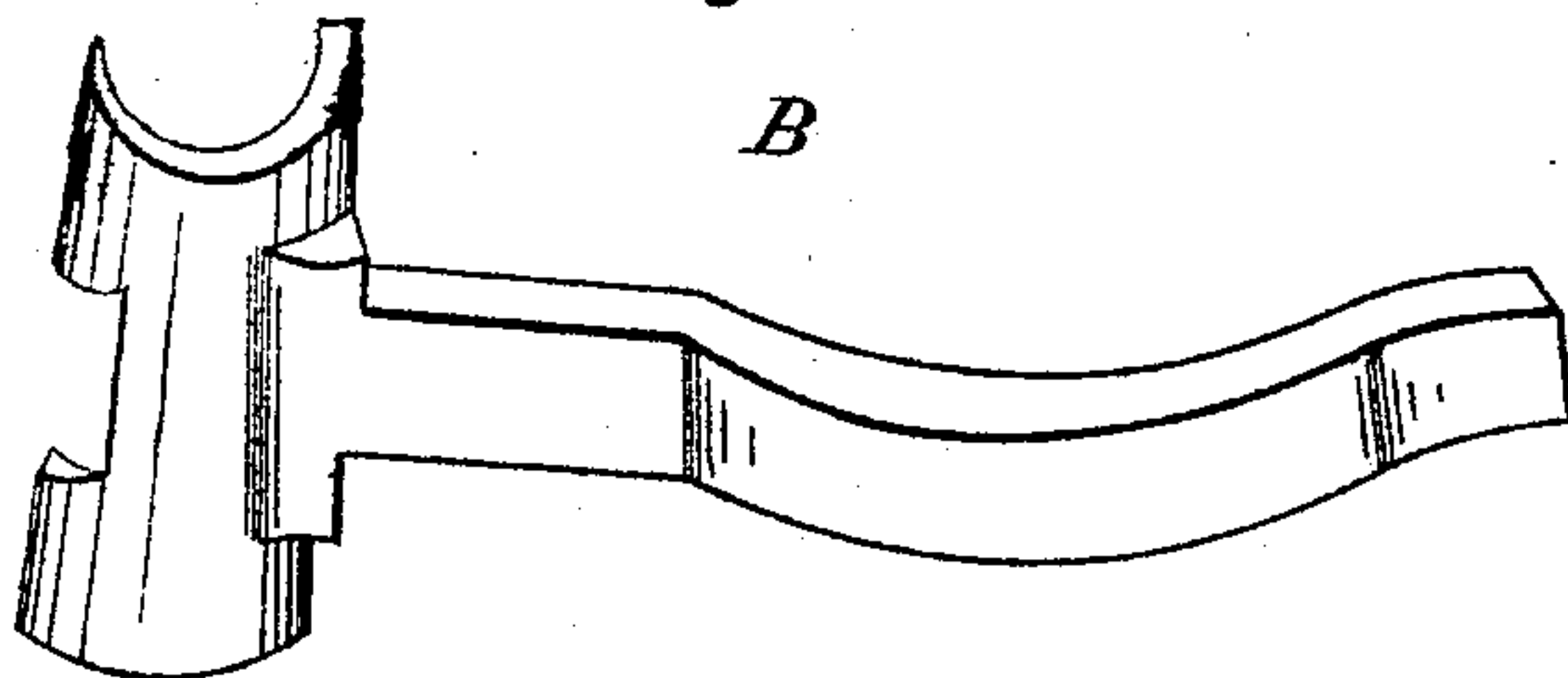
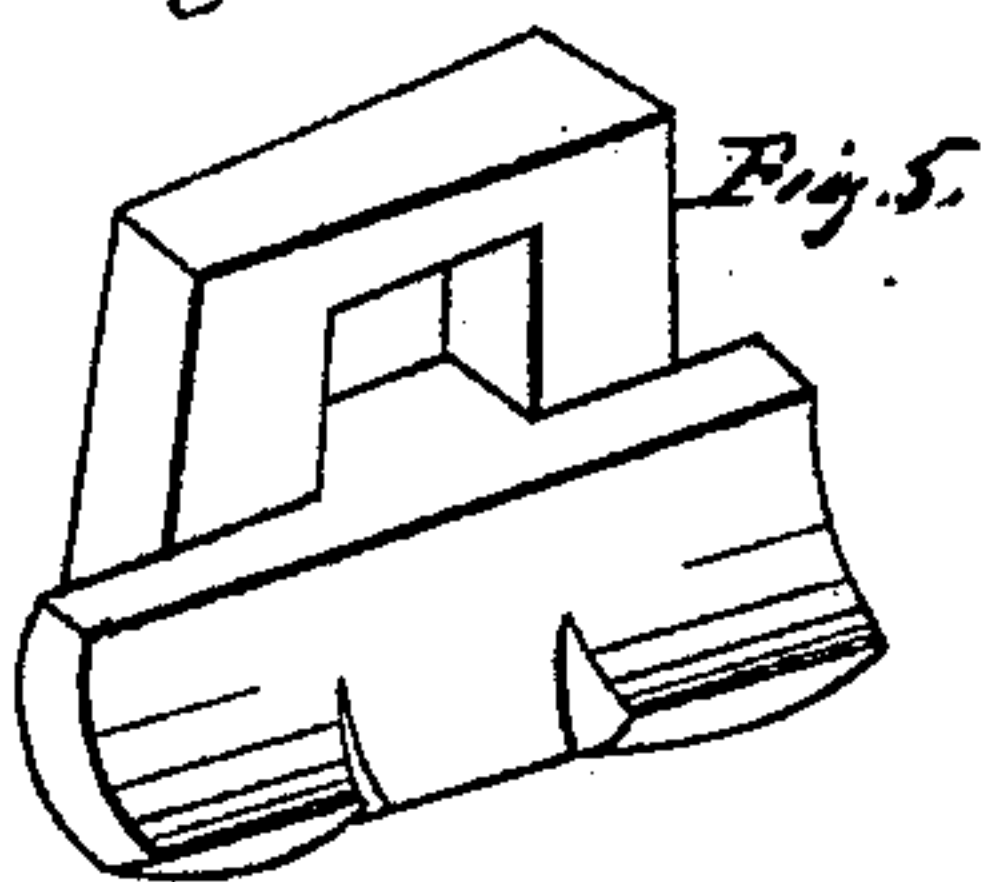


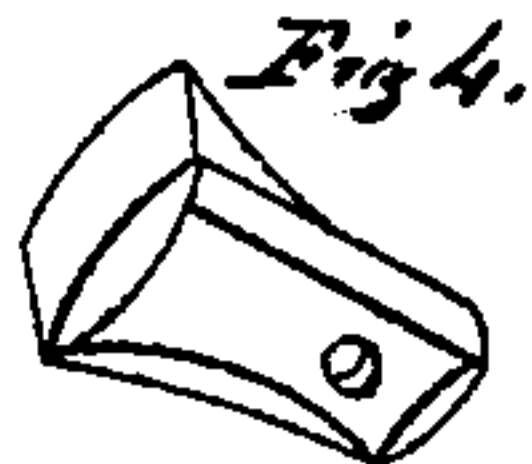
Fig 2.



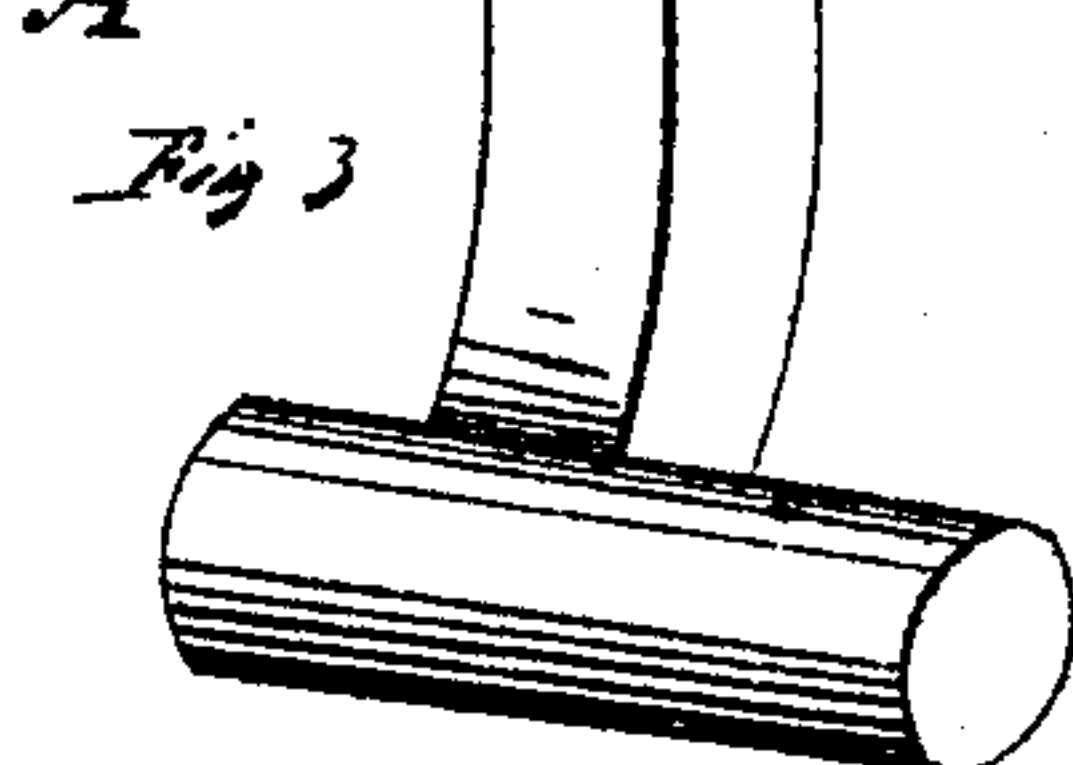
C



D



A



Witnesses.

B. E. Walte
A. Beach

Inventor.

Peter Markel

UNITED STATES PATENT OFFICE.

PETER MARKEL, OF ADELPHI, OHIO.

IMPROVEMENT IN THILL-COUPPLINGS.

Specification forming part of Letters Patent No. 128,968, dated July 16, 1872.

Specification describing a certain Improvement in Shaft-Jacks, invented by PETER MARKEL, of Adelphi, in the county of Ross and State of Ohio.

The object of my invention is to obviate delay in attaching and detaching shafts and tongues to and from buggies and other vehicles; and it consists in the combination of several devices, as hereinafter described.

In the accompanying drawing, A is the part attached to the axle. B is the part attached to the shaft. C is a slide, working on B, which holds A and B together; and D is a nut or button, fastened to the lower side of B by a pivot, *d*, and which holds the slide C firmly in place.

When it is desired to detach the shaft, the button D is turned to one side on its pivot *d*, which allows the slide C to move back upon B far enough to release the journal of A.

By these means a shaft may be attached or detached in a few seconds.

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

The combination of the parts A, B, C, and D, substantially as and for the purpose described.

PETER MARKEL.

Witnesses:

DAVID H. STRAUS,
MART. A. PATTERSON.