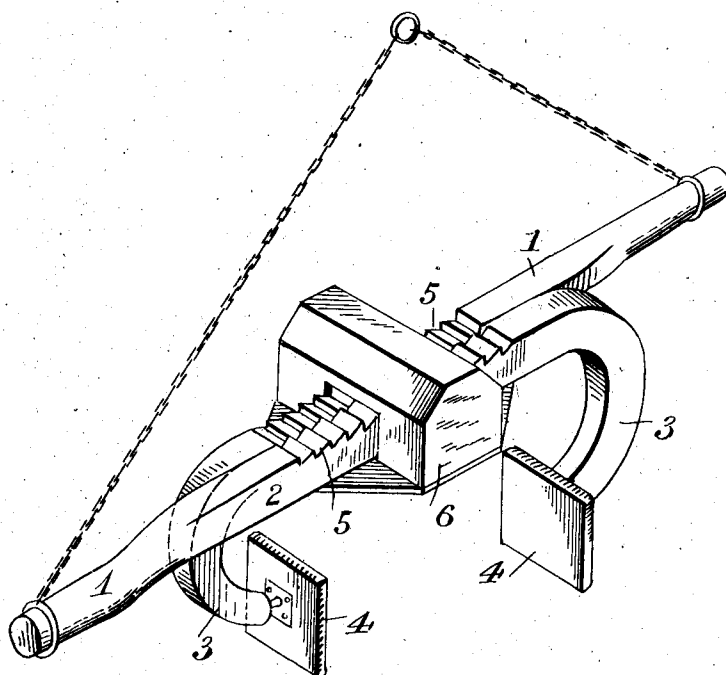


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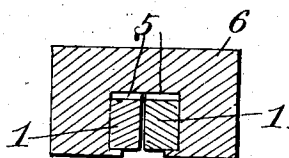
PATENTED OCT. 30, 1906,

J. DALE.  
GRAPPLE.

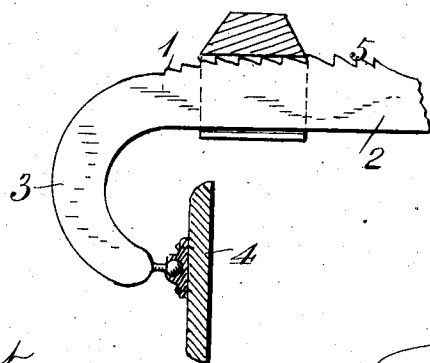
APPLICATION FILED JULY 9, 1906.



*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

WITNESSES:

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# UNITED STATES PATENT OFFICE.

JONATHAN DALE, OF KINSTON, NORTH CAROLINA.

## GRAPPLE.

No. 834,271.

Specification of Letters Patent.

Patented Oct. 30, 1906.

Application filed July 9, 1906. Serial No. 325,382.

*To all whom it may concern:*

Be it known that I, JONATHAN DALE, a citizen of the United States, residing at Kinston, in the county of Lenoir and State of North Carolina, have invented certain new and useful Improvements in Grapples, of which the following is a specification.

My invention pertains to improvements in grapples. Its object is to provide for readily securing an effective gripping action between the grapple and the object or weight engaged or lifted and to provide for readily manipulating the grapple and to carry out these ends in a simple, cheap, and desirable manner.

Said invention consists of certain structural features or instrumentalities, substantially as hereinafter fully disclosed, and specifically pointed out by the claims.

In the accompanying drawings, illustrating the preferred embodiment of my invention, Figure 1 is a perspective view thereof. Fig. 2 is a vertical transverse section of the same. Fig. 3 is a broken longitudinal section taken intermediately of the lever or jaw equipped members.

In the disclosure of my invention I employ two lever or jaw equipped members 1 1, each having its greater length straight, as at 2, thus conveniently serving as a handle, one end curved or hooked, as at 3, and provided at that point with a swiveled or loosely-jointed flat part or jaw proper, 4, effective for gripping or impinging the surface of the object or weight to be engaged or elevated. Swiveling or loosely connecting the jaws proper, 4, to the handled portions 3 enables the former to accommodate themselves to the object or weight, so as to "squarely" or effectively engage or grip it regardless of any angularity of relation between said jaws proper and said levers or handles. These jaw-equipped members or levers 1 1, which have their handled portions 2 arranged side by side and to extend one beyond the other for grasping, have notched or serrated upper surfaces 5, which latter also successively rise slightly one beyond or above the other toward the outer ends of said levers or handled portions for wedging them in place in engage-

ment with a sliding coupling or cuff 6, embracing and through which pass said levers or members 1, as in forming the grapple. Said cuff or coupling is adapted to provide for its simultaneous engagement at opposite edges with the upward inclined upper notched surfaces of the levers or handled portions of said jaw-equipped members, thus providing for the retention of the several parts in effective position or relation when the jaws are engaging or gripping the object or weight.

It is noted that in practically applying the grapple the levers or handled portions thereof are slipped or inserted into rings or links of chains depending from the hoist or block and tackle appliances of a derrick or crane, none of which, however, is disclosed herein and which it is not thought necessary.

It will be understood that the various parts may be changed as to any minor details thereof without departing from the spirit of my invention.

I claim—

1. A grapple, embracing lever or handled members having inner curved or hooked ends, to which are swiveled or loosely connected jaws, and a sliding cuff or coupling through which pass said members, said members each having an upward and outward inclined notched or serrated surface for engagement with said cuff.

2. A grapple, embracing lever or handled members equipped with swiveled or loosely-attached jaws applied to their inner curved or hooked ends and a sliding cuff or coupling arranged upon said lever or handled members and having opposite engaging edges, said members having upper serrated or notched surfaces each having an upward and outward inclination for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JONATHAN DALE.

Witnesses:

J. H. DAWSON,  
I. T. HASKINS.