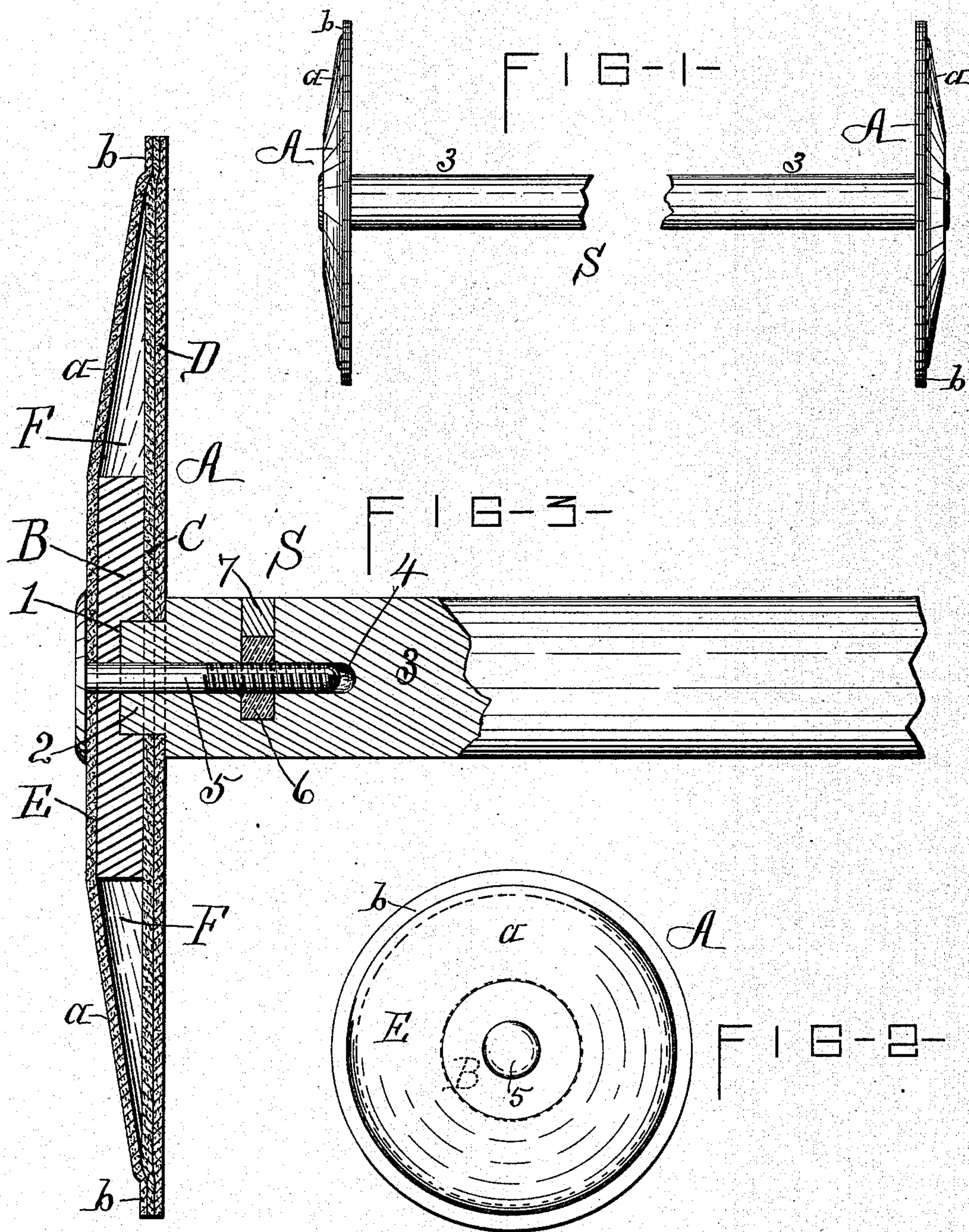


(No Model.)

F. LATULIP.
HEAD FOR JACK SPOOLS.

No. 413,192.

Patented Oct. 22, 1889.



Witnesses—

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FREDERICK LATULIP, OF SYRACUSE, NEW YORK, ASSIGNOR TO ARM-
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HEAD FOR JACK-SPOOLS.

SPECIFICATION forming part of Letters Patent No. 413,192, dated October 22, 1889.

Application filed February 6, 1889. Serial No. 298,837. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK LATULIP, of Syracuse, county of Onondaga, in the State of New York, a citizen of the United States, have invented certain new and useful Improvements in Heads for Jack-Spools, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 illustrates the adaptation of my device to a jack-spool; Fig. 2, an end view of my improved spool-head, and Fig. 3 an enlarged transverse vertical section of my improved head and connected parts.

Similar letters and figures of reference indicate corresponding parts throughout the several views.

The object of my invention is to produce an improved head or heads for jack-spools and other analogous spools constructed substantially wholly of suitably-prepared rawhide, whereby all liability of the head's splitting or warping, as is the case with the ordinary wooden heads, is entirely obviated, and, additionally, by reason of the hollow formation of my improved head and the materials entering into its construction, great lightness in weight is secured, while at the same time retaining the requisite strength, durability, and tenacity requisite for advantageous usage.

My invention consists in the several novel features of adaptation and construction hereinafter described, and which are specifically enumerated in the several clauses of claim hereunto annexed.

My improved head for jack-spools is constructed as follows:

A is the head in its entirety, comprising a circular retaining-block, of wood or other suitable material B, to the inner face of which block is cemented an integral piece of flat rawhide C, of circular form, whose periphery extends outward a considerable distance beyond the periphery of the block B, and to the outer face of the rawhide disk C, I preferably cement an additional piece or thickness of rawhide D (to give greater degree of stiffness) of corresponding form and dimensions.

To the outer face of the retaining-block B, I cement a single thickness or layer of rawhide E, of circular form and of dimensions

slightly larger than the joined layers C D. This rawhide disk E, commencing at a point approximately to the periphery of the circular block B, diverges angularly inward and outward, as at *a*, and comes in contact with the disk C a short distance from its circumferential edge, whence it continues in line therewith to the peripheral edge of the aforesaid disk, and to which it is securely cemented at its points of contact, thus forming the flanged portion *b*. By the aforesaid manner of construction the circumferential air-chamber F is created, which imparts lightness to the head without affecting the strength or solidity of the encompassing parts.

At 1, I show a mortise extending centrally through the rawhide disks C D and retaining-block B, and part way therein, in which is inserted and secured the end tenon 2 of the body or spindle portion 3 of the jack-spool S.

Centrally of the head B, and longitudinally with the body or spindle of the spool, I form an elongated opening 4, extending through the head B and continuing some distance into the spindle portion, in which is inserted the headed screw-bolt 5, that engages with the lock-nut 6, inserted centrally of the spool-body from a circumferential edge thereof, and held in position by a plug 7, as illustrated in the drawings. Preferably I employ a screw-bolt having a large yet flat head, as thereby the rawhide head is more securely held to the end of the spool spindle or body.

Although I have described and illustrated the aforementioned means for connecting the head to the spindle or body proper of a jack-spool, I make no claim to my manner of connecting the two parts together as being novel or new; nor do I limit myself to the manner of connection shown, as it is self-apparent that any suitable or preferred means may be utilized for accomplishing the above-named object.

At Fig. 1, I illustrate a jack-spool, or rather the extremities thereof, provided with my improved rawhide heads for the purpose of a better exemplification of their adaptability for the purposes hereinbefore described.

Although preferably I employ two thicknesses or layers of rawhide to form the inner vertical face of the head, and but one layer

or thickness of rawhide for the outer beveled face, it is obvious that two or more thicknesses cemented together may be employed in the formation of either the inner or outer 5 faces (or disks) of the spool-head, as may be deemed preferable or desirable, without departing from the spirit of my invention.

The desired formation or contour is given to the rawhide disks either individually or 10 collectively by means of suitable dies or other stamping apparatus acting upon the rawhide in its green state.

Having described my invention, what I claim as new, and desire to secure by Letters 15 Patent, is—

1. As a new article of manufacture, a rawhide head for jack-spools, formed of two disks of rawhide held apart centrally by an interposed retaining-block, and secured together 20 at their circumferential meeting edges, substantially as described.

2. As a new article of manufacture, an attachable head for jack-spools, consisting of two rawhide disks of desired contour, formed 25 of one or more integral thicknesses of rawhide held out of central contact with each other by an axially-disposed retaining-block interposed between them, to whose opposite faces they are respectively secured, and secured together at their circumferential meet- 30 ing edges, which extend some distance beyond the periphery of the retaining-block, substantially as described.

3. As a new article of manufacture, an attachable head for jack-spools, comprising two 35 rawhide disks formed of one or more thicknesses of rawhide cemented together, a retaining-block interposed centrally of their circumference and to a face of which they are respectively cemented, and extending radially 40 a sufficient distance beyond the periphery of the retaining-block to create an annular chamber between said block and their circumferential edges when they come in meeting contact and are cemented together, and 45 creating a flanged portion, and means for connecting the head to an end of the body or spindle portion of the jack-spool, substantially as described, and for the purposes set forth.

4. As a new article of manufacture, a rawhide head for jack-spools, formed of two disks 50 of rawhide provided with an interposed retaining-block, to which their contacting portions are secured, and secured one to the other at their circumferential meeting edges, substantially as described. 55

In witness whereof I have hereunto set my hand this 2d day of February, 1889.

FREDERICK ^{his} × LATULIP.
mark.

In presence of—

PARKE W. WICKS,

JACOB MANN.