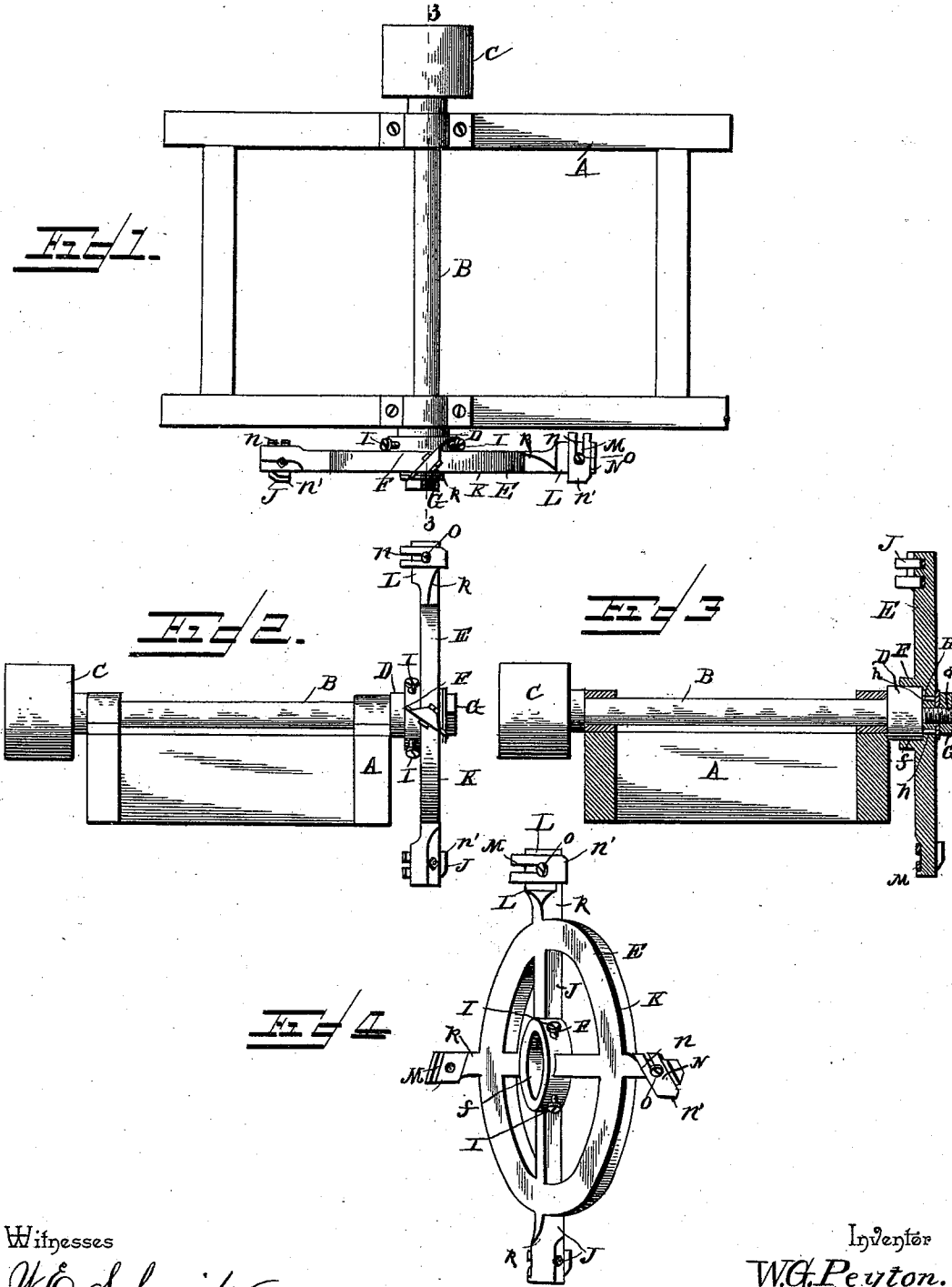


(No Model.)

W. G. PEYTON.
SAWMILL ATTACHMENT.

No. 499,246.

Patented June 13, 1893.



Witnesses

W. E. Schneider.

L. P. Volkmann.

By *his* Attorneys,

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UNITED STATES PATENT OFFICE.

WILLIAM G. PEYTON, OF RED SPRINGS, NORTH CAROLINA.

SAWMILL ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 499,246, dated June 13, 1893.

Application filed August 17, 1892. Serial No. 443,344. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM G. PEYTON, a citizen of the United States, residing at Red Springs, in the county of Robeson and State of North Carolina, have invented a new and useful Sawmill Attachment, of which the following is a specification.

This invention relates to saw mill attachments; and it has for its object to provide an improved planing or dressing attachment for saw mills adapted to be used in connection with all the apparatus thereof, and to provide means whereby large timber can be readily planed or dressed by means of saw mill devices and the attachment contemplated by this invention, and particularly such timber as cannot be dressed by the ordinary planing mill.

With these and many other objects in view which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination and arrangement of parts, hereinafter more fully described, illustrated and claimed.

In the accompanying drawings:—Figure 1 is a top plan view of a portion of a saw mill frame having the saw shaft thereon and provided with the planing attachment or cutter head. Fig. 2 is a front elevation of the same. Fig. 3 is a vertical transverse sectional view on the line 3—3 of Fig. 1. Fig. 4 is a detail in perspective of the cutter head.

Referring to the accompanying drawings:—A represents a saw mill frame upon which is mounted the saw shaft B, driven from the pulley C at one end, and provided at its other end with the shaft-collar D, and the threaded spindle *d* projecting beyond said collar, said frame and the saw shaft thereon being arranged in connection with the feeding and other devices of the entire saw mill, which is operated in the usual manner. When it is desired to dress large timber, such as cannot be dressed by the ordinary planing mill, the saw is removed from the collar end of the shaft and in place thereof, the planing or dressing wheel E is removably secured to the collar end of the saw shaft, and is operated in conjunction with the rest of the mill. The hub F of the wheel E, is recessed in one side at *f*, and takes over the

collar D at one end of the saw shaft, while the threaded spindle projects through the other side of the hub and receives the clamping nut G, which holds the hub to its place over the collar D. The said hub is further provided in one side with the opposite perforations H, which receive the securing pins *h*, projecting from the outer face of the shaft collar D, and prevent the wheel from turning on the shaft while the wheel is further secured to the collar by means of the set screws I passing through the hub and impinging against the collar.

Radially extending from the hub F of the wheel is a series of integral knife arms J, the extreme outer ends of which project beyond the periphery of the wheel bracing ring or rim K, which serves to relieve the knife arms or spokes from undue strain. The outer ends of the knife arms or spokes J, beyond the ring or rim K, (which may be dispensed with,) are disposed at an angle, as illustrated at *k*, and have the inner flat beveled faces L, which are provided with the rabbets or grooves M. The rabbets or grooves M in the flat beveled faces of the outer angle ends of the knife arms, accommodate the adjustable dressing bits or knives N. The dressing or planing bits N are provided with the longitudinally disposed slots *n*, working over the adjusting screws O passing through the angle ends of the knife arms, so that the outer bevel cutting edges *n'* of said bits may be adjusted beyond the outer faces of the knife arms to cut heavy or light as desired.

Now it will be readily seen that by substituting the planing or dressing wheel herein described for the saw of a saw mill, the undressed timber may be fed to the planing or dressing wheel, past the outer face of the same by the usual feeding devices so that such timber will be rapidly planed on one side at a time as the dressing wheel rotates.

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

In a saw mill attachment, the combination of the saw shaft having a collar, securing pins projecting from one side of said collar, and a threaded spindle extended beyond the collar,

a dressing wheel or cutter head provided with
a radial series of angularly disposed knife
arms carrying cutting bits, a recessed hub fit-
ting over the collar on the saw shaft, and per-
forations in the bottom of the recess in the
5 hub to receive the projecting securing pins
and said threaded spindle, set screws passing
through the hub and impinging on the shaft
collar, and a clamping nut engaging the

threaded spindle outside of said cutter head, so
substantially as set forth.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

WILLIAM G. PEYTON.

Witnesses:

R. T. COVINGTON,
PAISLEY McMILLAN.