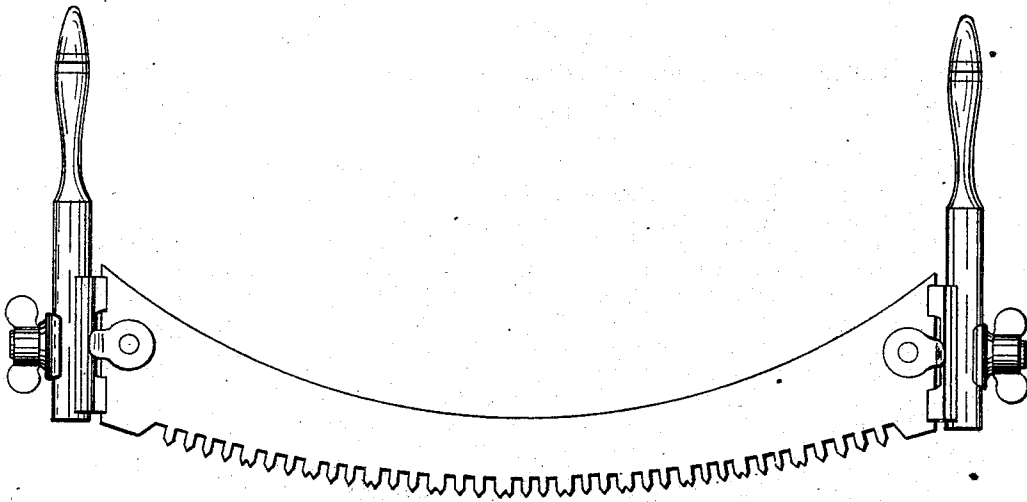


(No Model.)

E. C. ATKINS.
CROSSCUT SAW.

No. 292,194.

Patented Jan. 22, 1884.



WITNESSES:
H. P. Good
E. A. Abbott

INVENTOR:
Elias C. Atkins.

UNITED STATES PATENT OFFICE.

ELIAS C. ATKINS, OF INDIANAPOLIS, INDIANA.

CROSSCUT-SAW.

SPECIFICATION forming part of Letters Patent No. 292,194, dated January 22, 1884.

Application filed June 25, 1883. (No model.)

To all whom it may concern:

Be it known that I, ELIAS C. ATKINS, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement in Crosscut-Saws, of which the following is a specification.

My invention relates particularly to crosscut-saws designed to be used by two persons—one at each end—in felling trees; and the object of my improvement is to provide a saw that shall not be liable to be pinched in the saw-kerf, and at the same time be sufficiently stiff to prevent sagging and bending when in use.

The accompanying drawing illustrates my invention. The figure represents a side elevation of my improved saw. The cutting-edge is convex and the back concave, as shown, the relative radii of the curves being such that the saw-blade is wider at the ends than at the center. The central portion of the saw, which is the part which does most of the

cutting, being narrow, is not so liable to be pinched and caught in the saw-kerf as the ordinary wide blade.

I am aware that saws having a narrow blade, a convex cutting-edge, and a concave back have before been made; but they have been heretofore made of uniform width throughout, and it has been found that when they are made narrow enough to prevent "pinching" the blade is liable to sag and become bent at points between the center and each end. By widening the blade from the center toward each end, as shown, the above-mentioned difficulty is avoided.

I claim as my invention—

A saw blade having a convex cutting-edge, a concave back edge, and having both ends wider than the center, substantially as and for the purpose set forth.

ELIAS C. ATKINS.

Witnesses:

E. O. ABBOTT,
H. P. HOOD.