

No. 814,404.

PATENTED MAR. 6, 1906.

G. D. SMITH.
WOOD SCRAPING TOOL.
APPLICATION FILED OCT. 6, 1905.

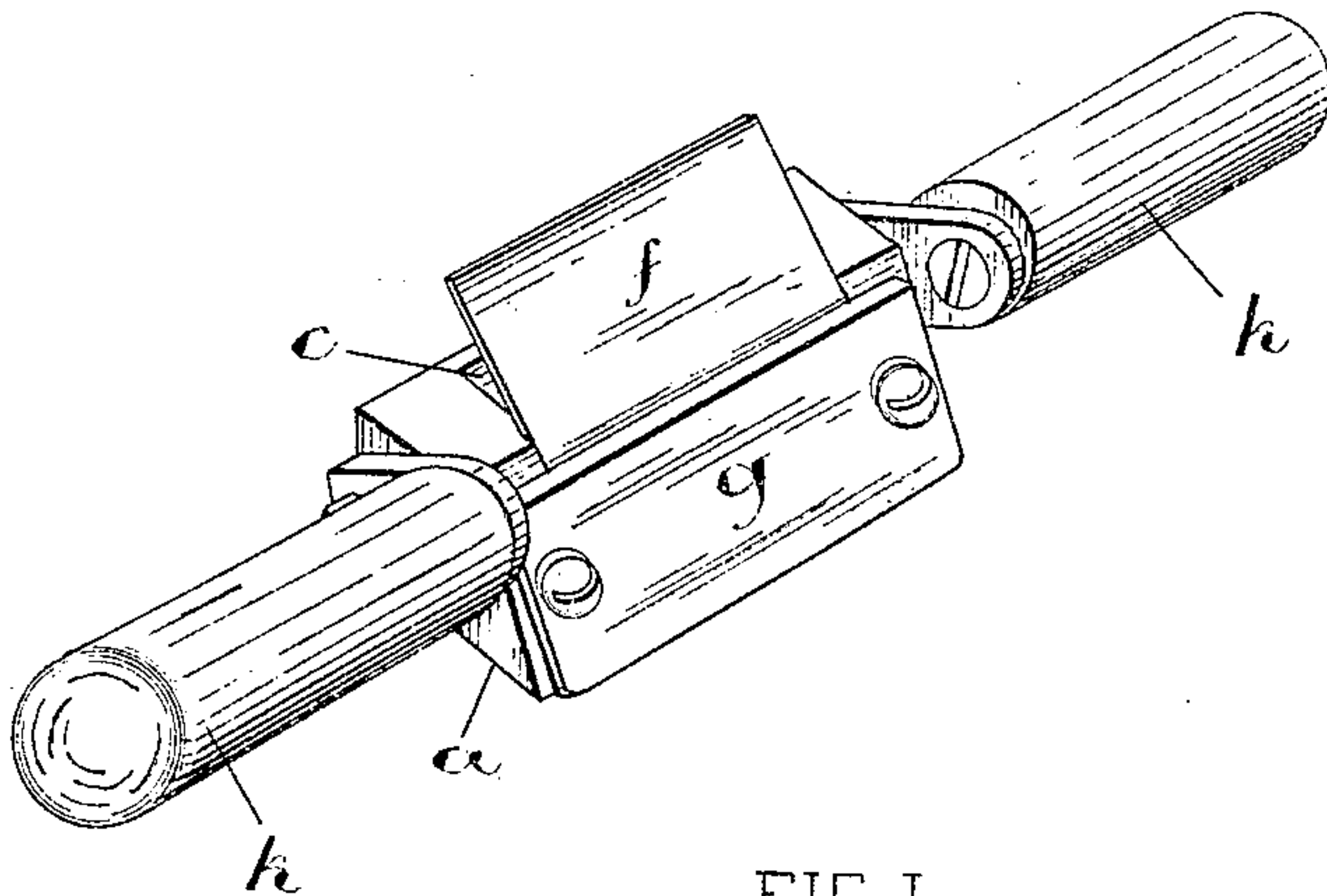


FIG. 1.

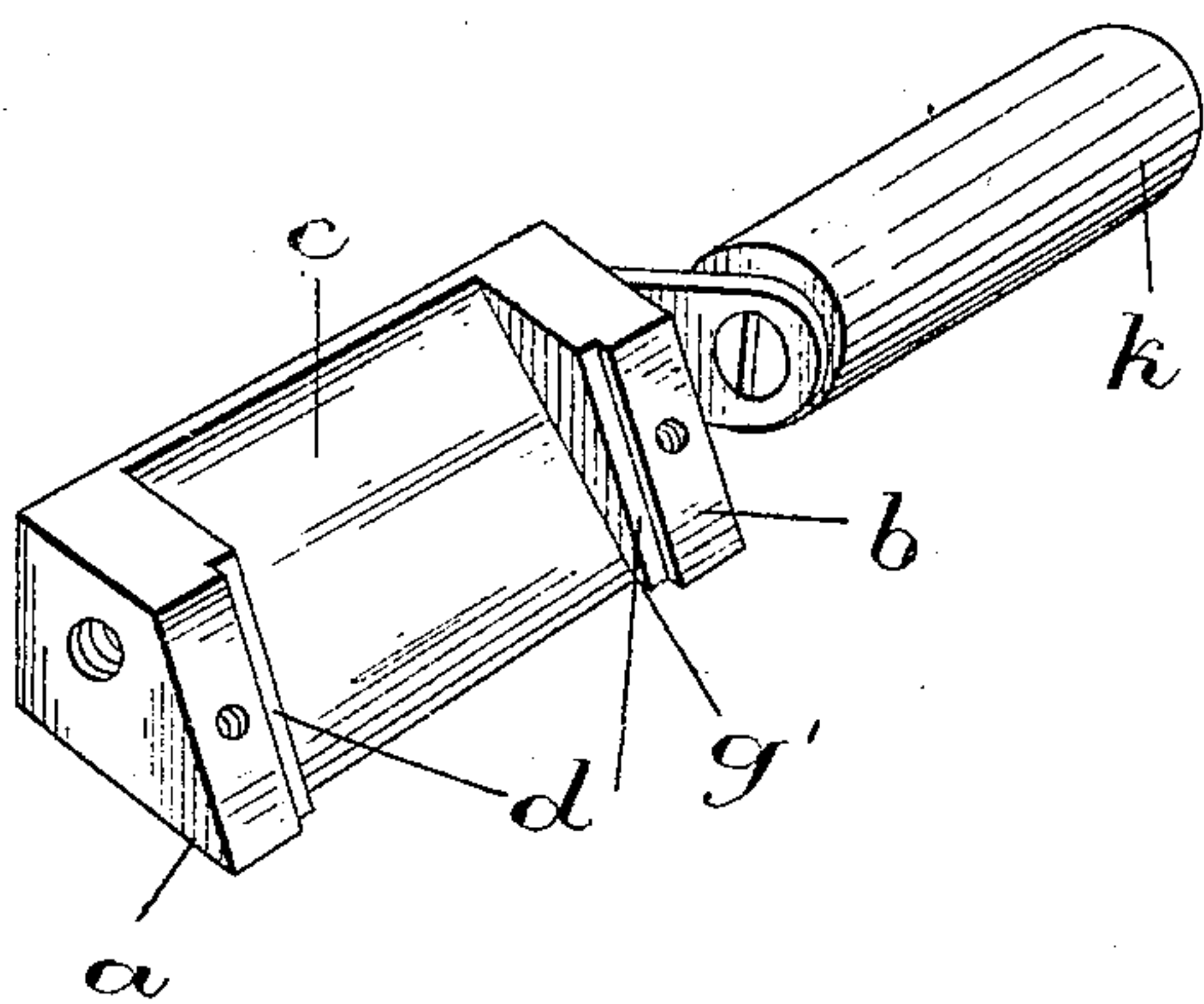


FIG. 2.

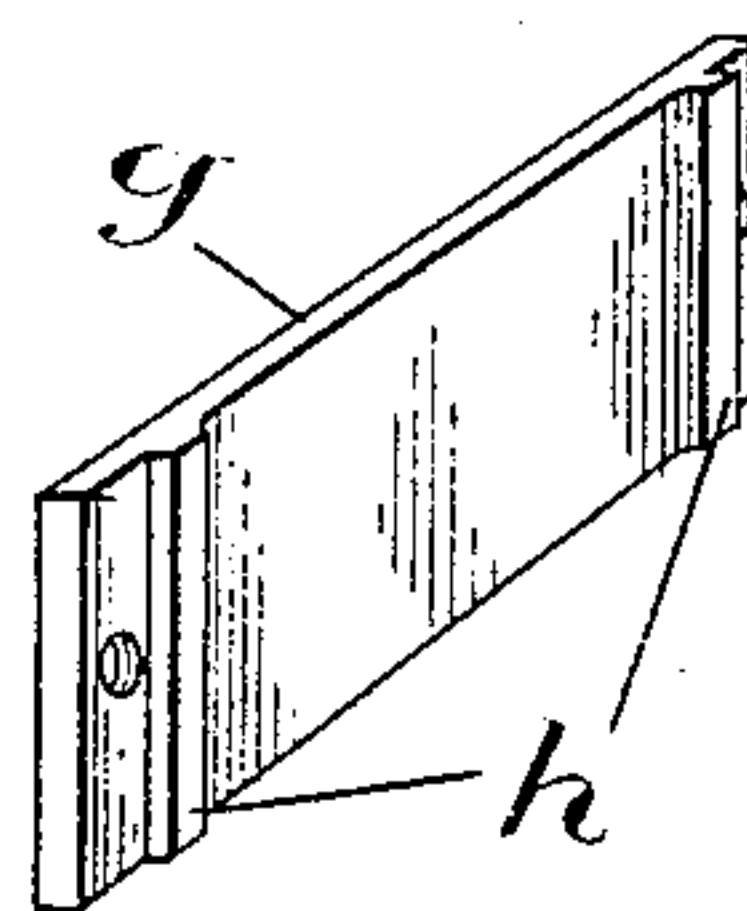


FIG. 3.

Witnesses.

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UNITED STATES PATENT OFFICE.

GEORGE DOIG SMITH, OF OWEN SOUND, CANADA.

WOOD-SCRAPING TOOL.

No. 814,404.

Specification of Letters Patent.

Patented March 6, 1906.

Application filed October 6, 1905. Serial No. 281,681.

To all whom it may concern:

Be it known that I, GEORGE DOIG SMITH, of Owen Sound, in the county of Grey and Province of Ontario, Canada, have invented certain new and useful Improvements in Wood-Scraping Tools; and I hereby declare that the following is a full, clear, and exact description of the same.

This invention relates to a wood-scraping tool comprising a stock having a sole finished to form a perfect contact with the work to be operated on, a scraper-holding side inclining toward the sole at an angle less than a right angle, having a shaving-aperture inclining toward the sole, scraper-seats in the stock at each side of the shaving-aperture, a scraper mounted on the scraper-seats with its scraper edge projecting beyond the face of the sole, a yoke detachably connected to the stock, having projecting ribs to engage the scraper and hold it securely in position on the scraper-seats, and handles for the stock, by which the tool is operated, as hereinafter more fully set forth, and more particularly pointed out in the claims.

For a full understanding of the invention reference is to be had to the following description and to the accompanying drawings, in which—

Figure 1 is a perspective view of the tool. Fig. 2 is a perspective view of the stock with the scraper, yoke, and one of the handles removed. Fig. 3 is a perspective view of the yoke.

Like letters of reference refer to like parts throughout the specification and drawings.

The sole *a* of the stock is perfectly smooth, so as to form a close contact with the work, and its scraper-holding side *b* inclines to the sole at an angle less than a right angle. In the middle of the scraper-holding side *b* is a shaving-aperture *c*, and in the stock at the sides of the shaving-aperture are scraper-seats *d*. Supported upon the scraper-seats is the scraper *f*, and detachably fastened to the stock is a yoke *g*, having ribs *h* opposed to scraper-seats to engage the rear face of the scraper and hold it securely against the stock. Between the ribs and the adjacent sides of the scraper and yoke is an unoccupied space *g'* to permit the scraper to retain its natural elasticity. At each side of the stock is a handle *k*, by which the tool is operated.

In using the tool the edge of the scraper is adjusted to project slightly beyond the bottom of the sole, so that it will penetrate the material as the tool is drawn or pushed over it to scrape from the material a shaving of a predetermined thickness. The resistance offered by the material to the progress of the tool would naturally cause the displacement of the scraper if it were not held securely in position by the yoke or other clamping means, and by forming the yoke with the contacting ribs having the intervening space between them and the adjacent sides of the scraper and yoke unoccupied the scraper retains its natural flexibility and resiliency to produce a perfect finish on the material.

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

1. A wood-scraper comprising a stock, the sole of which is finished to contact the surface of the material to be scraped and the scraper-holding side of which is inclined at an angle less than a right angle to the sole, a shaving-aperture in the scraper-holding side of the stock, scraper-seats at the sides of said aperture, a scraper mounted upon the scraper-seats, a yoke detachably connected to the stock having ribs to engage the scraper and hold it securely on the scraper-seats and an unoccupied space between said ribs and the adjacent faces of the scraper and yoke.

2. A wood-scraping tool comprising a stock, the sole of which is finished to contact the surface of the material to be scraped and the scraper-holding side of which is inclined at an angle less than a right angle to the sole, a shaving-aperture in the scraper-holding side of the stock, scraper-seats at the sides of said aperture, a scraper mounted upon the scraper-seats, a yoke detachably connected to the stock having ribs to engage the scraper and hold it securely on the scraper-seats, an unoccupied space between said ribs and the adjacent sides of the scraper and yoke, and handles connected to the stock.

Owen Sound, September 23, 1905.

GEORGE DOIG SMITH.

In presence of—

JAMES C. GRIER,
H. E. SAMPSON.