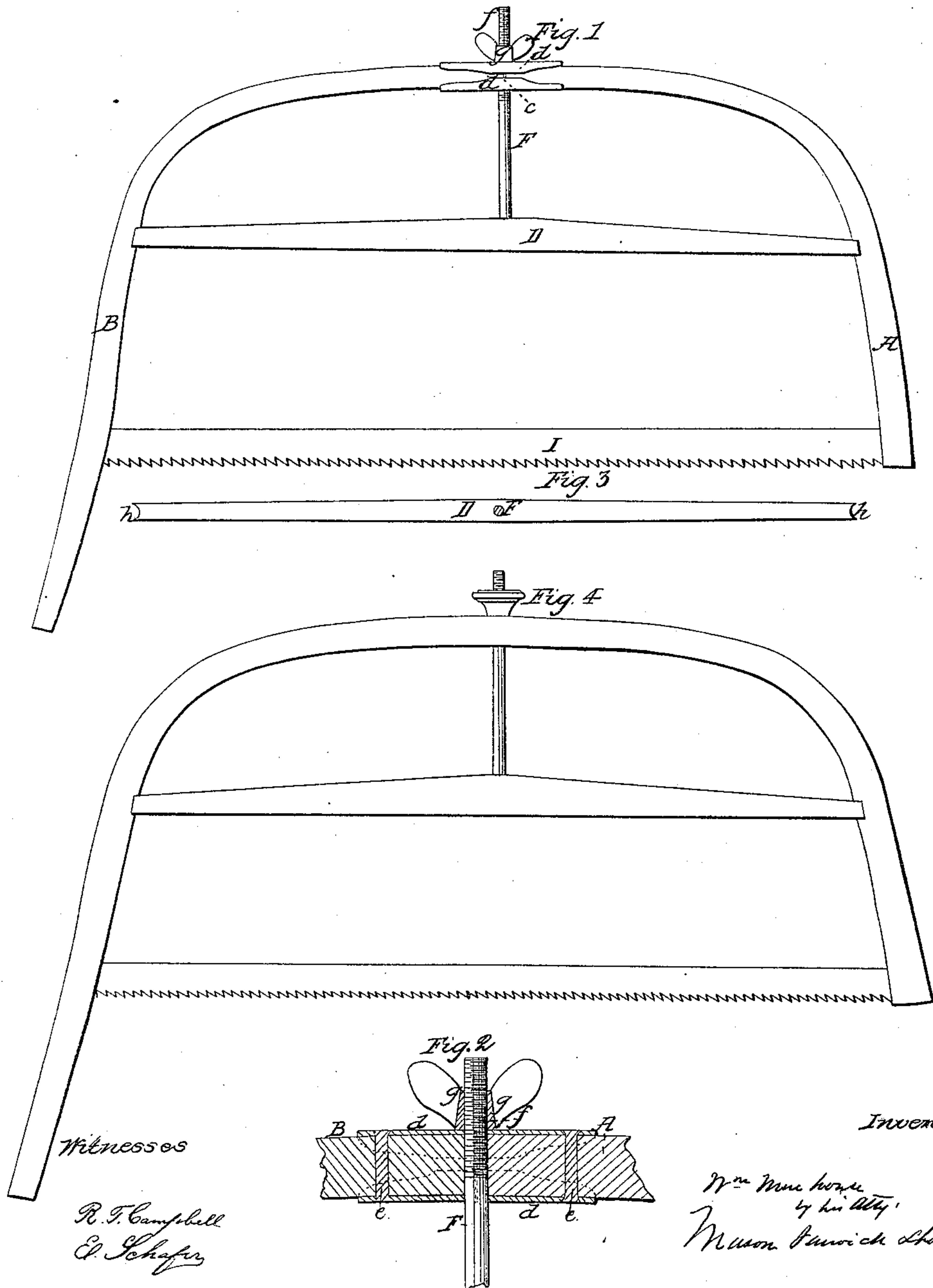


*W. Morehouse,
Hand-Saw Frame.*

No. 47,032,

Patented Mar. 28, 1865.



UNITED STATES PATENT OFFICE.

WILLIAM MOREHOUSE, OF BUFFALO, NEW YORK.

IMPROVEMENT IN BUCK-SAW FRAMES.

Specification forming part of Letters Patent No. 47,032, dated March 28, 1865.

To all whom it may concern:

Be it known that I, WILLIAM MOREHOUSE, of the city of Buffalo, Erie county, and State of New York, have invented a new and Improved Buck-Saw Frame; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and letters of reference marked thereon, forming a part of this, my specification, in which—

Figure 1 is a side view of my improved buck-saw frame; Fig. 2 a section of a portion thereof; and Fig. 3 a top view of the brace. (Shown in Fig. 1.)

The object of this invention is the construction of a buck-saw frame, which, while it may be made very cheap, will at the same time be sufficiently strong to answer all the conditions of its use.

To effect this, I construct the forward portion, A, and rear portion, B, of the main part of the frame in separate pieces, thus only requiring a piece of timber of even grain of a length equal to the length of such separate parts from which to make them. Before bending these two pieces into the form indicated in Fig. 1, I join them together, as at *c*, and firmly unite the parts, as represented, by means of iron clips *d d*, which nearly encircle a portion of the parts A and B. These clips extend back upon the parts A and B a sufficient distance from the point of junction of said parts to give great strength to the frame and resistance to the action of the screw-nut when the saw is being strained. The clips *d* are secured in place by rivets, as at *e e*, Fig. 2.

F is a screw-rod, firmly secured in any suitable manner to the cross brace or bar D, and passes up through the clips *d*, as clearly shown in Fig. 2, and at its upper end is provided a screw-thread, as at *f*, and with a screw-nut, *g*, to fit thereon. The cross-brace D is constructed of wood, with its ends made in concave form, as at *h*, in such manner as to fit onto the inner face of the parts A and B, over which said ends *h* travel in the act of tightening or loosening the saw-blade I.

The several parts being put together as represented in Figs. 1, 2, and 3, the saw-blade can be strained to any desired extent by simply turning the screw-nut *g* to the right hand, during which act the bar or brace D will be raised to the extent necessary to effect the same. By reversing the screw-nut *g* the strain upon the saw-blade will be relieved. The operation of the cross-bar D is the same whether applied to a main frame as shown in Fig. 1, or to a main frame as shown in Fig. 4.

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

1. The combination of the parts A B, clips *d d*, screw-rod F, and screw-nut *g*, or their equivalents, substantially as described.

2. A sliding brace-bar, D, for effecting the straining of the saw-blade of a buck-saw, substantially as described.

WM. MOREHOUSE.

Witnesses:

WM. C. FRANCIS,

RICH'D H. DANFORTH.