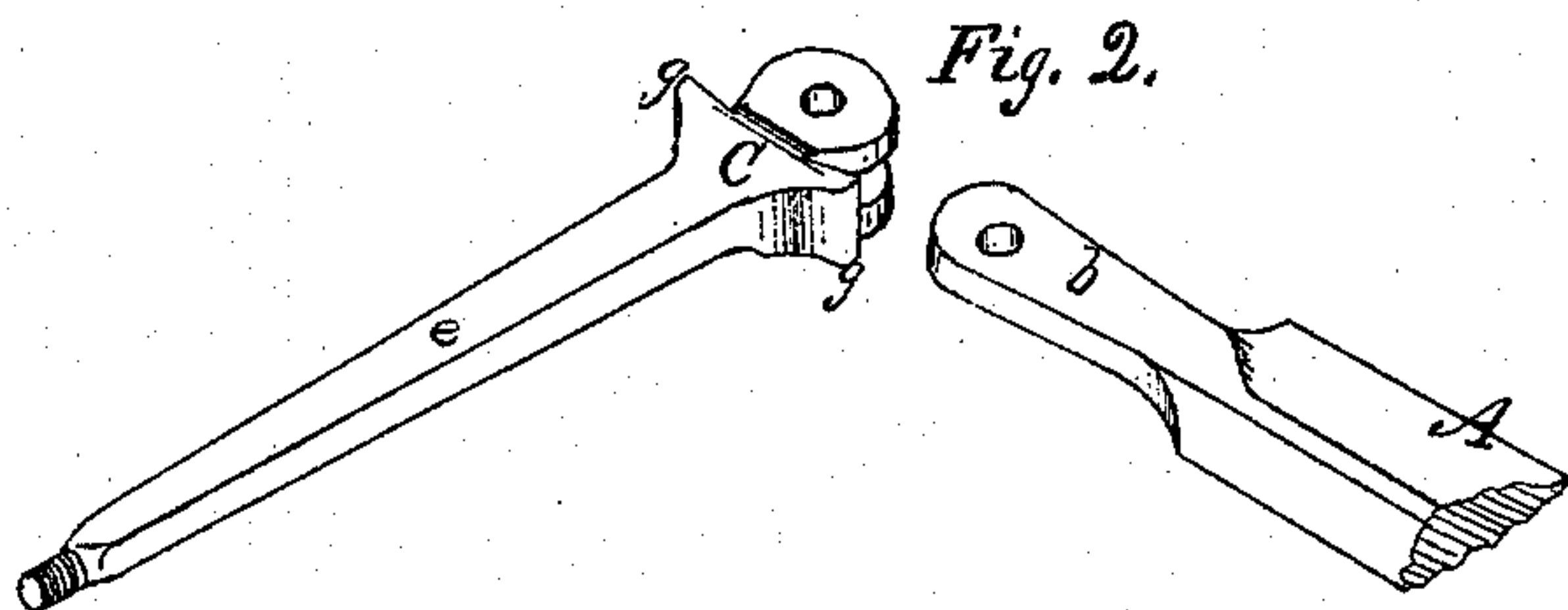
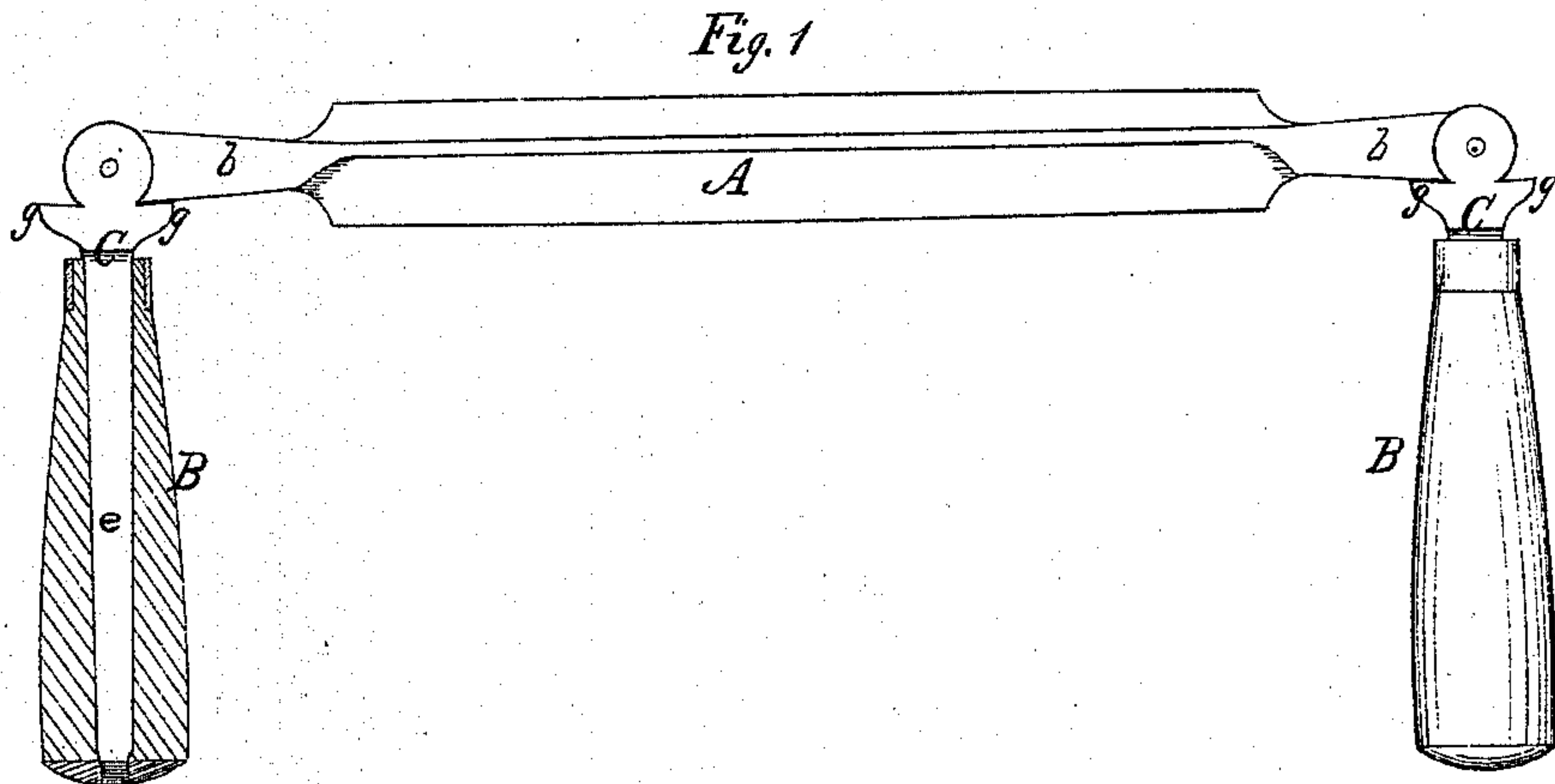


C.C. Barton,

Spoke Shave.

No. 104,539.

Patented June 21, 1870.



Charles C. Barton
By J. A. Davis & Co.
Attys.

Witnesses:-

W. W. Shepherd
A. Letchford

United States Patent Office.

CHARLES C. BARTON, OF ROCHESTER, NEW YORK.

Letters Patent No. 104,539, dated June 21, 1870.

IMPROVEMENT IN DRAWING-KNIVES.

The Schedule referred to in these Letters Patent and making part of the same

I, CHARLES C. BARTON, of Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Improvement in the Construction of Drawing-Knives, of which the following is a specification.

My improvement relates to a drawing-knife patent by J. H. Atwater, January 18, 1870, No. 98,903.

The novelty consists in my improved construction of the devices, so as to cheapen and facilitate their manufacture, as hereinafter described.

In the patent above referred to, the knife-blade is sharpened in different bevels on opposite edges, and the handles are made reversible to opposite sides, by hinging them to bearings on the ends or prolongations of the knife-blade. The handles are prevented from closing too far by means of shoulders or projections formed from the knife material, which serve as stops. These shoulders or stops must be formed by hand labor, by filing, and, the material being of steel-tempered metal, the operation is very laborious and expensive.

It is the object of my invention to lessen the labor and cheapen their construction.

In the drawing—

Figure 1 is a side view of a drawing-knife of my improved construction, and

Figure 2, a perspective view of one end of the knife and of the hinge-bearing for jointing the handles to the blade.

A indicates the knife-blade, and

B B are the handles.

The blade is provided with plain extended portions or arms *b b*, on opposite ends, to which are jointed the bearings C C of the handles.

I make the bearings C of malleable or cast metal and substantially of the form represented in fig. 2, the same being provided with the stems or shanks *e e*, for securing them to the handles, and the stops or shoulders *g g*, for preventing the handles from closing too far.

By my improved construction it will be seen that the knife-blade is formed with the plain extended portions to which the handles are jointed, and the shoulders or stops *g g*, for preventing the handles from closing too far, are cast upon the hinged bearings C, and thus the labor of forming them by hand from the steel-tempered metal of the blade is entirely dispensed with.

By this means I am enabled to manufacture the articles with much greater facility and less expense, so as to offer them to the public at a considerable reduction of the usual market price.

I hereby disclaim the invention of John H. Atwater for reversible drawing-knife, patented January 18, 1870; but

What I do claim as new, and desire to secure by Letters Patent, is—

The blade A, made with the plane extended portions *b b*, in combination with the handles and hinged bearings C C, when the latter have the shoulders or stops *g g* cast upon them, substantially as and for the purposes set forth.

In testimony whereof I hereunto sign my name in the presence of two subscribing witnesses.

CHAS. C. BARTON.

Witnesses:

J. A. DAVIS,

WM. AUGS. WATERS.