

*J. W. Jones,
Green Corn Knife.*

N^o 54,170.

Patented Apr. 24, 1866.

Fig. 1

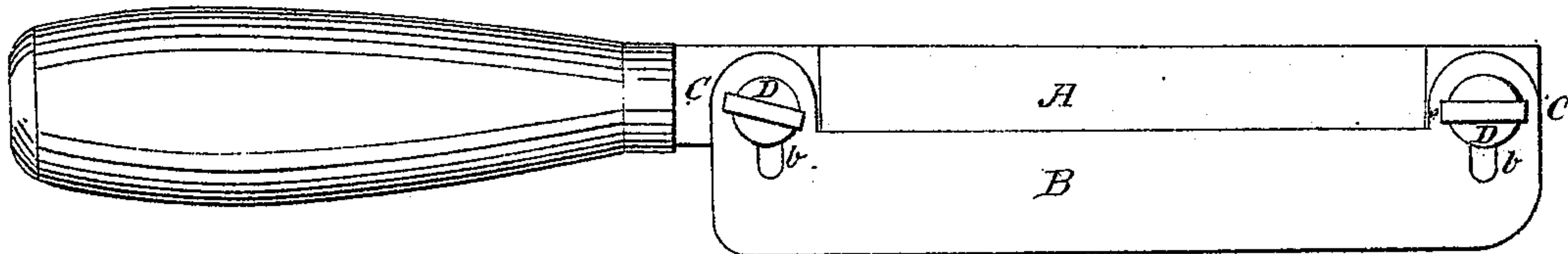


Fig. 2.

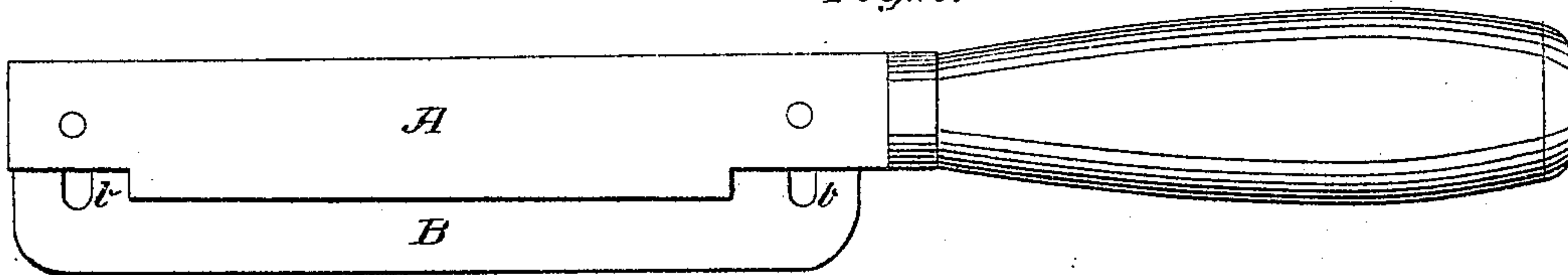
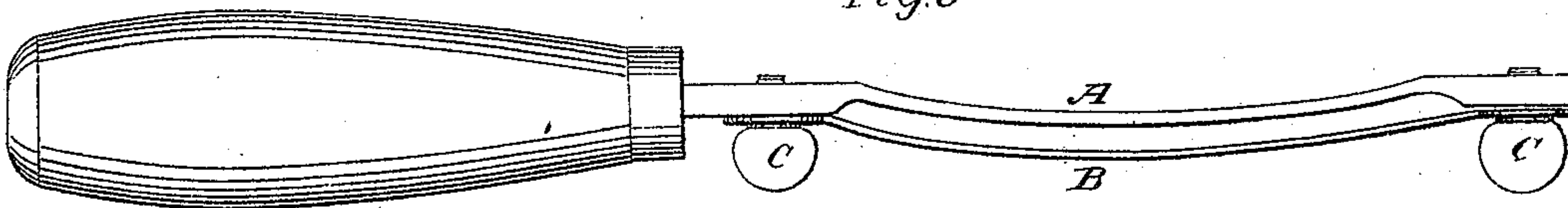


Fig. 5



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN W. JONES, OF PORTLAND, MAINE.

IMPROVEMENT IN KNIVES FOR REMOVING CORN FROM THE COB.

Specification forming part of Letters Patent No. 54,170, dated April 24, 1866.

To all whom it may concern:

Be it known that I, JOHN W. JONES, of Portland, in the county of Cumberland and State of Maine, have invented a new and useful Improvement in Knives for Removing Green Corn from the Cob; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists of an adjustable gage for knives employed in removing green corn from the cob, and also in a steel gage for such knives.

Being extensively engaged in preserving green corn according to the process originally invented by Isaac Winslow and the several improvements thereon, I have found that the knife invented by Winslow, though a great improvement, has some defects. The gage, not being adjustable upon the blade of the knife, is fitted only to one size of kernels of corn, and it often happens with large kernels that two strokes are required to cut off the entire kernel, while with small kernels the gage does not prevent cutting off a portion of the cob. Moreover, the gage being soldered to the blade of the knife, it is difficult to grind or sharpen the latter. In case the tin gage is corroded by rust or otherwise soiled it is not so easily cleaned as my gage, which may be removed and ground.

The object of my invention or improvements is to remedy the above-mentioned defects and produce a superior knife for cutting green corn from the cob.

In the accompanying drawings, Figure 1 represents a front view of a knife with my improvements attached. Fig. 2 is a rear view of the same. Fig. 3 is a view of the back of the knife, showing the space between the knife and gage.

In the manufacture of my improved knives the blade is curved more or less laterally, as

seen at A in Fig. 3, in order to work better against the cob. This curvature may be in either direction, so as to suit either right-handed or left-handed workmen.

The gage B, Figs. 1, 2, 3, is made of steel and finished up with care, like the blade of the knife. This gage is attached to the blade of the knife by means of thumb-screws C working in female screws cut in the thick parts or ends of the knife-blade. The ends of the gage are provided with slots b, in order to allow the gage to slide upon the thumb-screws when the latter are loosened, thus rendering it easily adjustable for the purpose of cutting of larger or smaller kernels of corn or cleaning the cob of the parts of kernels already cut. Small washers, D, are employed as bearings under the heads of the thumb-screws.

By withdrawing the thumb-screws the gage may be completely removed from the blade of the knife, and then the knife can be easily ground like any other knife; and the gage itself, when thus removed, may be ground on both sides or easily cleaned from rust or other soiling from use or neglect. Thus the gage is much better on account of being removable.

I do not broadly claim a curved knife provided with a gage for cutting green corn, but confine my invention to the adjustability of the gage and to making the same of steel as an improvement over the rude tin gage known prior to my invention.

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

The above-described knife provided with a broad adjustable gage, substantially as set forth.

J. W. JONES.

Witnesses:

W. H. FESSENDEN,
IRA J. BATCHELOR.