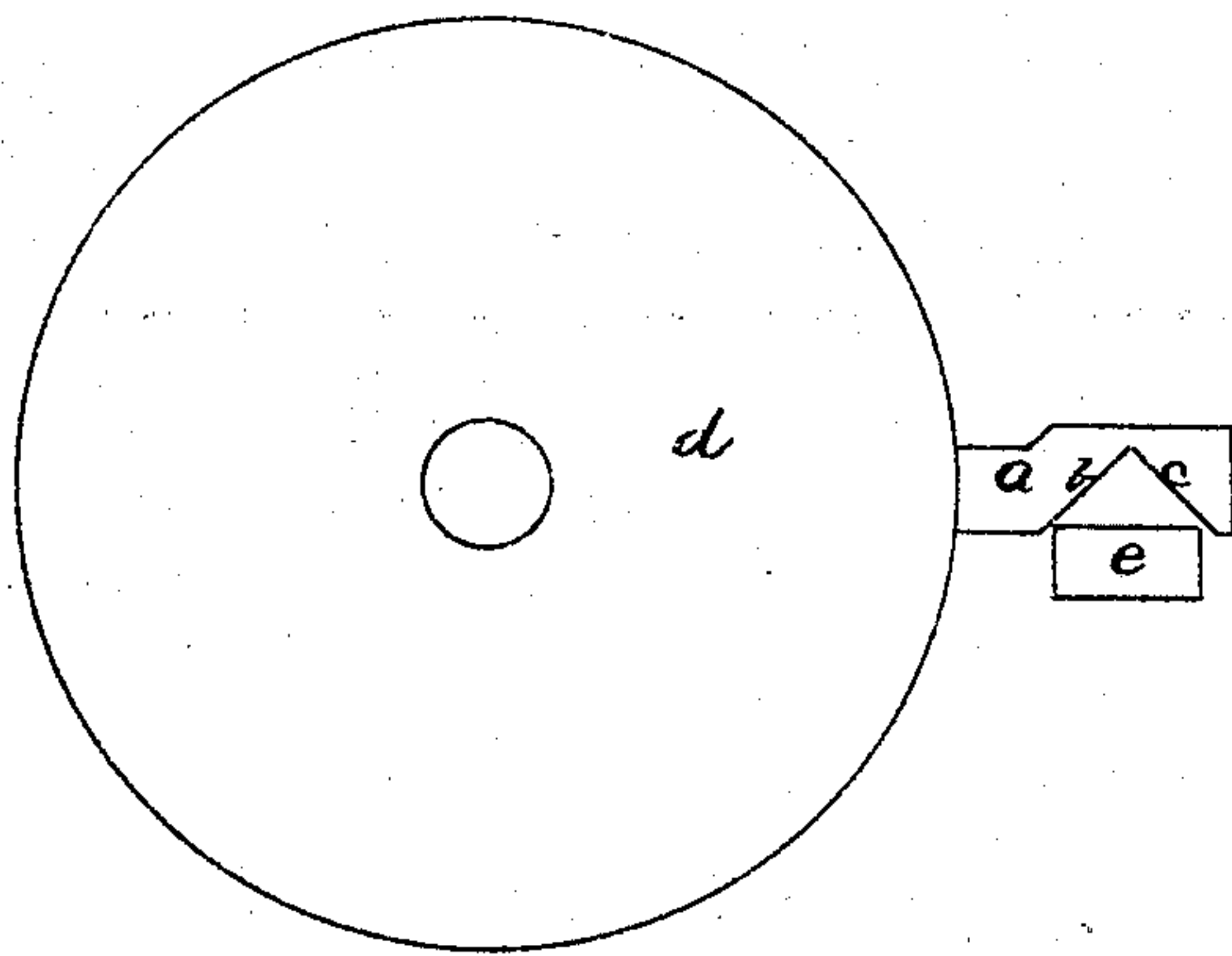
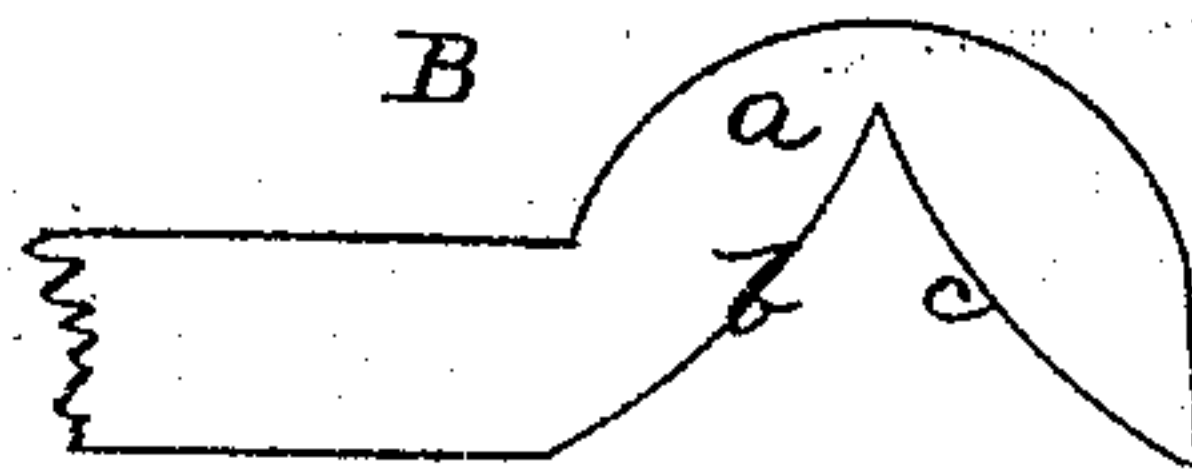
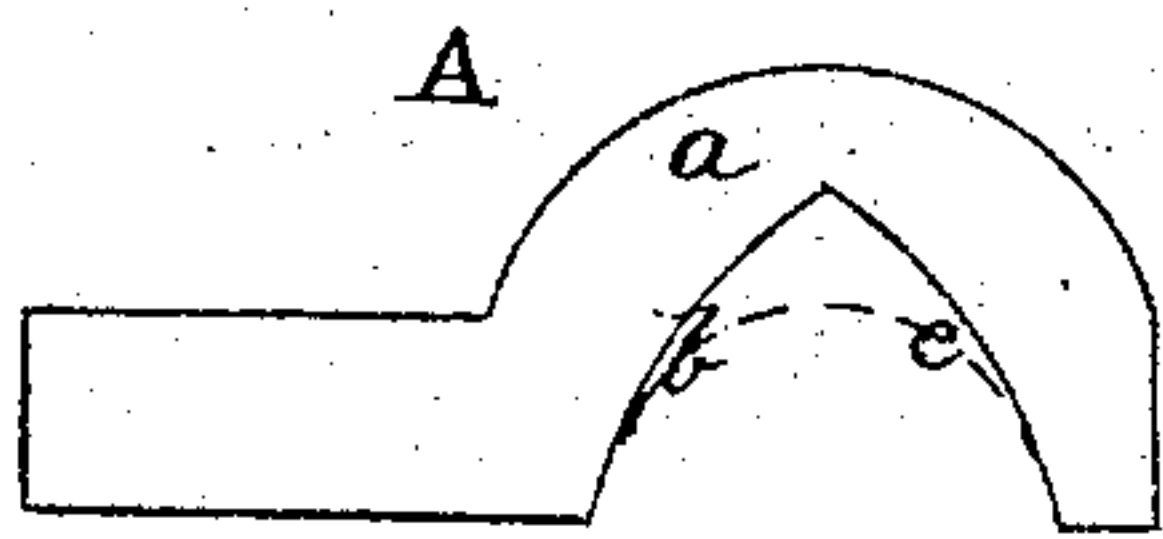


James Garity
Imp'd. Brick Knife

118230

PATENTED AUG 22 1871



Witness

John J. Vickor
Fred. Foster

Inventor

James Garity
Per Am. Franklin Seavey, Atty-

UNITED STATES PATENT OFFICE.

JAMES GARITY, OF BREWER, MAINE, ASSIGNOR TO HIMSELF AND EDWIN D. GOULD, OF SAME PLACE.

IMPROVEMENT IN BRICK-KNIVES.

Specification forming part of Letters Patent No. 118,230, dated August 22, 1871.

To all whom it may concern:

Be it known that I, JAMES GARITY, of Brewer, in the county of Penobscot and State of Maine, have invented a new and useful Improved Brick-Knife; and I hereby declare the following to be a full, clear, and exact description of the same, which will enable others to make and use my invention, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 shows a side view of my improved knife.

My invention relates to an improved knife for cutting clay into bricks. It has reference to and is designed more particularly for that class of brick-machines in which the clay, having been formed into a bar of the proper breadth and thickness, is cut into the length required for the brick by means of a knife fixed at the circumference of a revolving wheel.

The knife now used in these machines has a straight edge, and, pressing perpendicularly down upon the soft clay of which the bricks are made, tends to dent and break the surface and edges, and leaves the ends of the brick rough and ragged.

My improved knife is provided with two edges, forming an angle with each other, and converging

to a point at their upper ends. The cutting-edge presented to the clay is, consequently, very small at first. It cuts at both sides of the brick at once, and toward the center of the brick, thus keeping the edges smooth. From the slanting position of the edges they make a drawing cut rather than a perpendicular one, and keep sharp longer, besides being less impeded by foreign substances which may get into the clay—small stones, &c., for instance.

The drawing fully illustrates the nature of my invention. At *a* is shown my improved knife, having the inclined edges *b* and *c*. In common, it is fixed in a socket in the circumference of a wheel, *d*. *e* shows the clay to be cut into lengths. At *A* and *B* are seen variations in the form of the knife, embodying the same general principle.

What I claim as my invention, and desire to secure by Letters Patent, is—

The knife, constructed as herein shown, for cutting brick from a stream of clay, in combination with the revolving disk *d*, substantially as set forth.

JAMES GARITY.

Witnesses:

E. D. GOULD,

WM. FRANKLIN SEAVEY.