

(No Model.)

A. PETERSON.

CLOD CRUSHER.

No. 277,059.

Patented May 8, 1883.

Fig. 1.

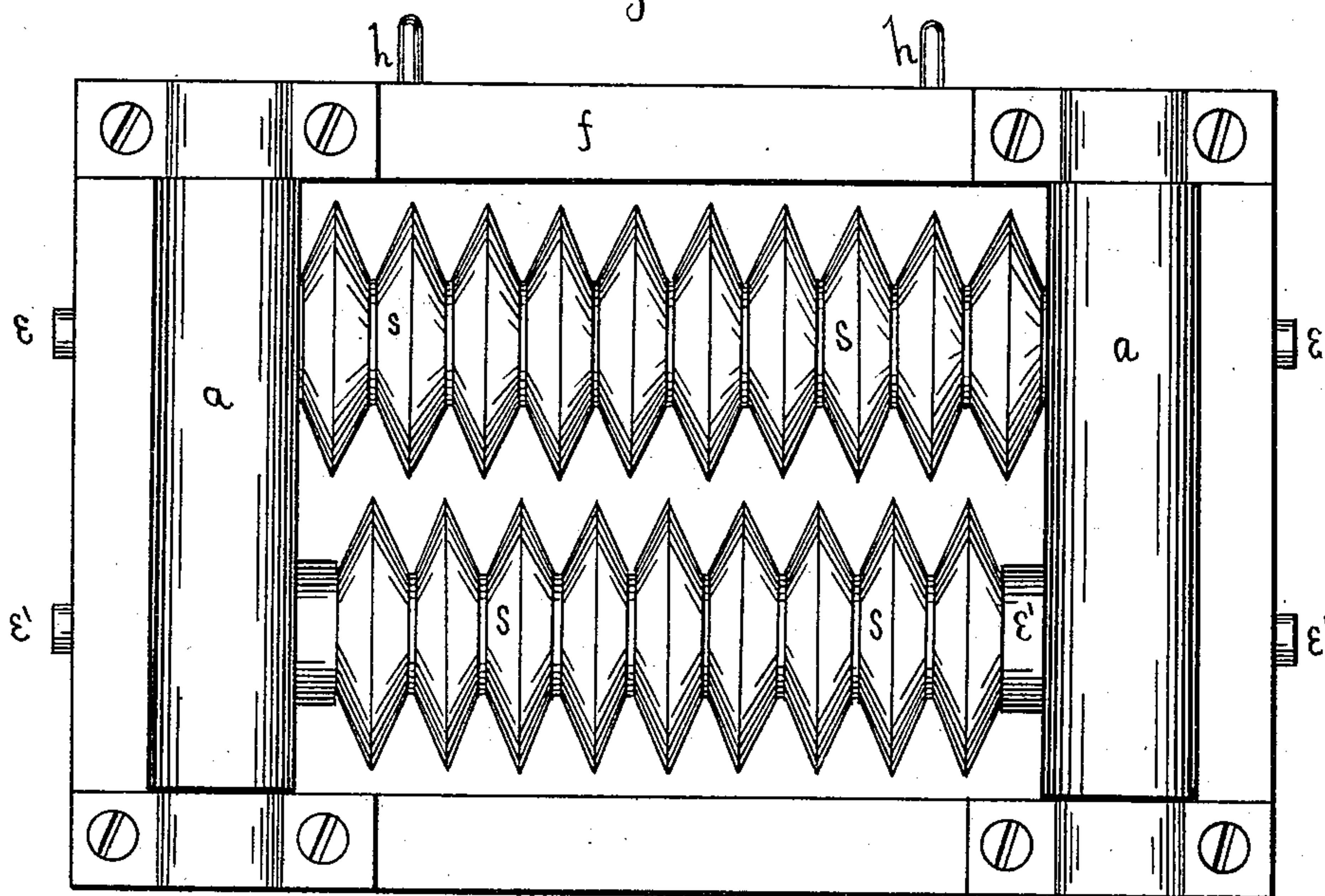


Fig. 2.

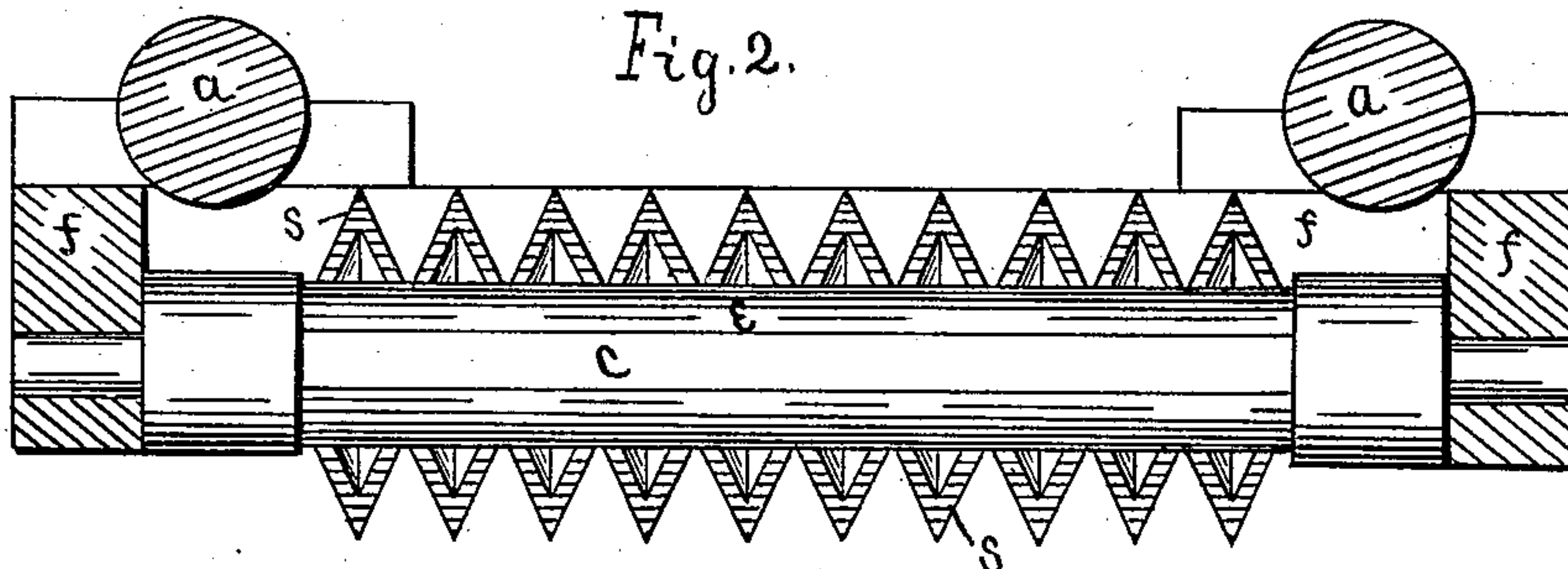
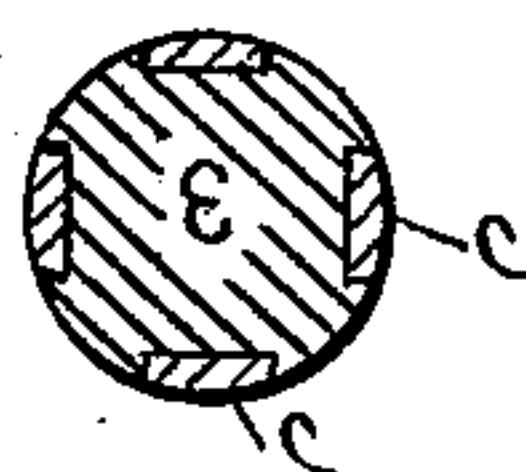


Fig. 3.



Attest

Harry Robinson
Geo. F. Robinson

Inventor
August Peterson
by Bradford Howland
Attorney

UNITED STATES PATENT OFFICE.

AUGUST PETERSON, OF KENT, OHIO.

CLOD-CRUSHER.

SPECIFICATION forming part of Letters Patent No. 277,059, dated May 8, 1883.

Application filed January 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, AUGUST PETERSON, of Kent, Portage county, Ohio, have invented a new and useful Improvement in Clod-Crushers, of which the following is a specification.

My invention relates to clod-crushers in which a series of hollow, bevel-shaped, circular-edged crushers are placed on one or more rotating shafts in a suitable frame, each crusher being also free to rotate on the shaft independent of the other crushers.

In the drawings forming a part of this specification, Figure 1 is a plan view of the machine. Fig. 2 is a transverse section of the same, and Fig. 3 is a cross-section of a shaft.

Shafts *e e'* rotate in frame *f*. They are of wood, and are grooved lengthwise to receive metallic strips *c*, to prevent wear from the rotation of crushers *s* on the shafts. The circular-edged crushers *s* are hollow, and may be made of cast-iron. They are beveled on both sides to an edge at their circumference, and are loose on their shafts *e e'*, in order that each crusher may turn on its shaft independently of the others. The clod-crusher is drawn by means of hooks *h h* in frame *f*.

For the purpose of facilitating the transportation of the clod-crusher to and from the field

where it is to be used, it is provided on its top with two rollers, *a a*, having their axes in the line of draft, in which direction the clod-crusher is the narrowest, in order that it may pass through narrow gateways or passages. It is turned bottom side up on these rollers when being transported.

By making crushers *s* hollow they are light, strong, and less expensive than if solid, and at the same time are of sufficient thickness to allow them to have considerable bevel on both sides for the purpose of giving them a cutting-edge, and also to enable them to crush the lumps or clods that may be compressed between them by the weight of the machine.

I claim as my invention—

The circular-edged hollow crushers *s*, beveled on both sides, in combination with frame *f* and rotating wooden shafts *e e'*, provided with and grooved to receive metallic strips *c*, the crushers *s* being free to rotate both on and with their shafts, and each crusher having rotation on its shaft independently of the others, substantially as described.

AUGUST PETERSON.

Witnesses:

J. H. DUSSEL,
BRADFORD HOWLAND.