

No. 821,039.

PATENTED MAY 22, 1906.

J. INGLE.

BRANDING MACHINE FOR CASKS, CASES, AND THE LIKE.

APPLICATION FILED OCT. 6, 1905.

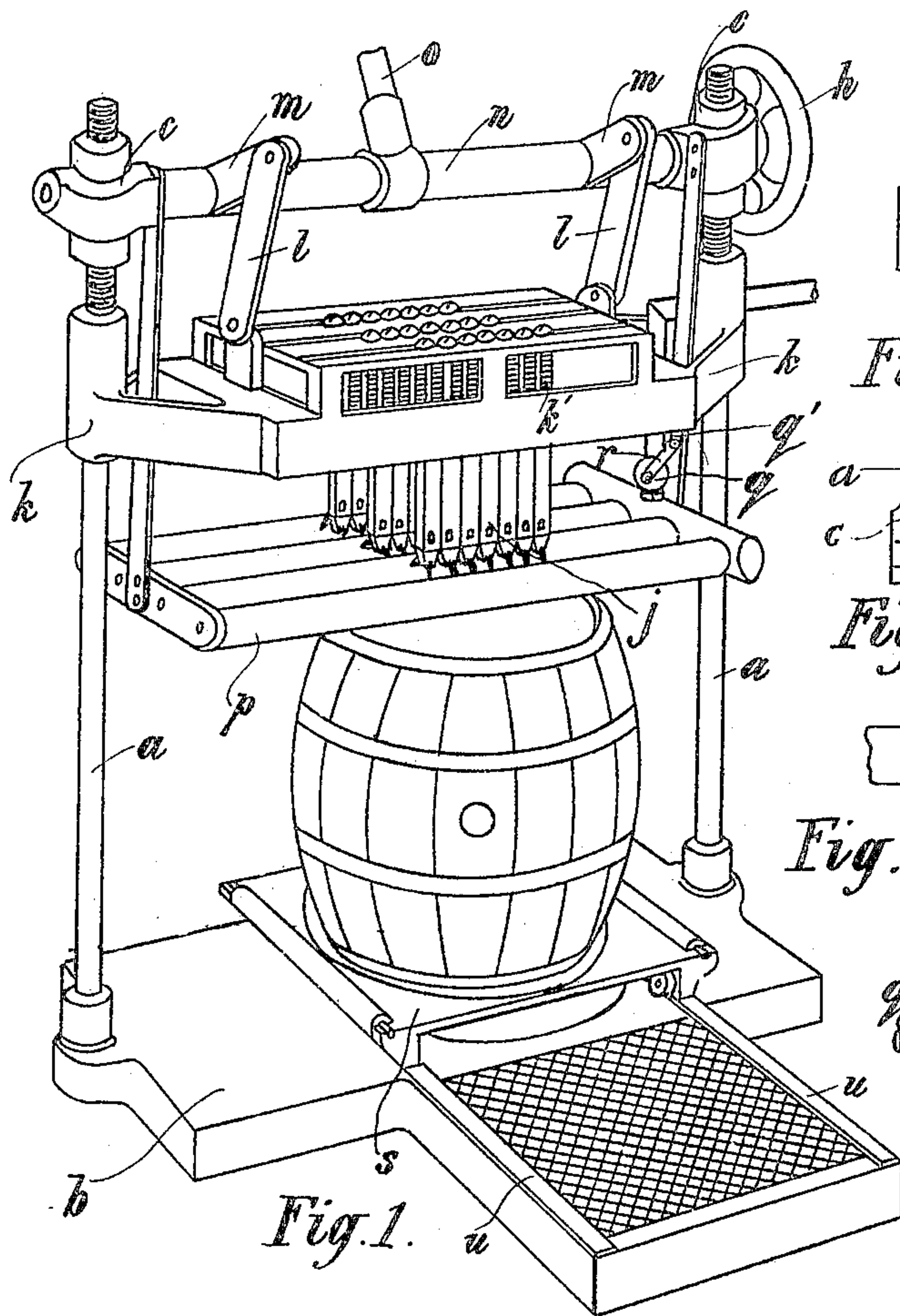


Fig. 1.

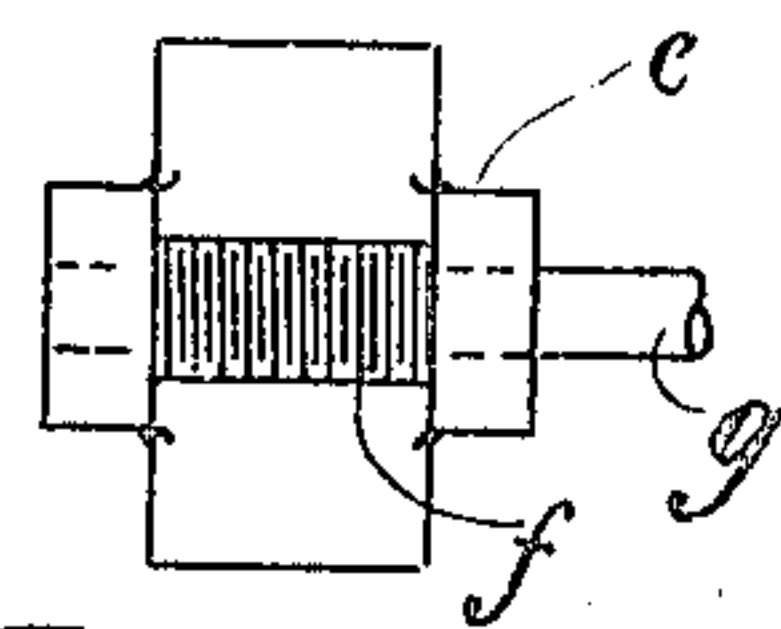


Fig. 4.

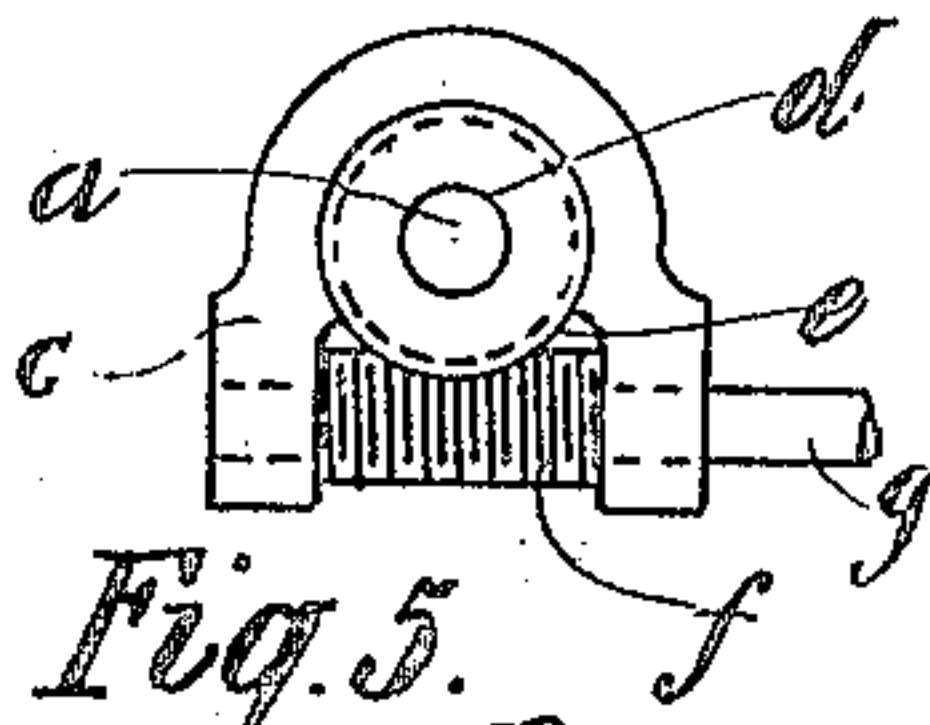


Fig. 5.

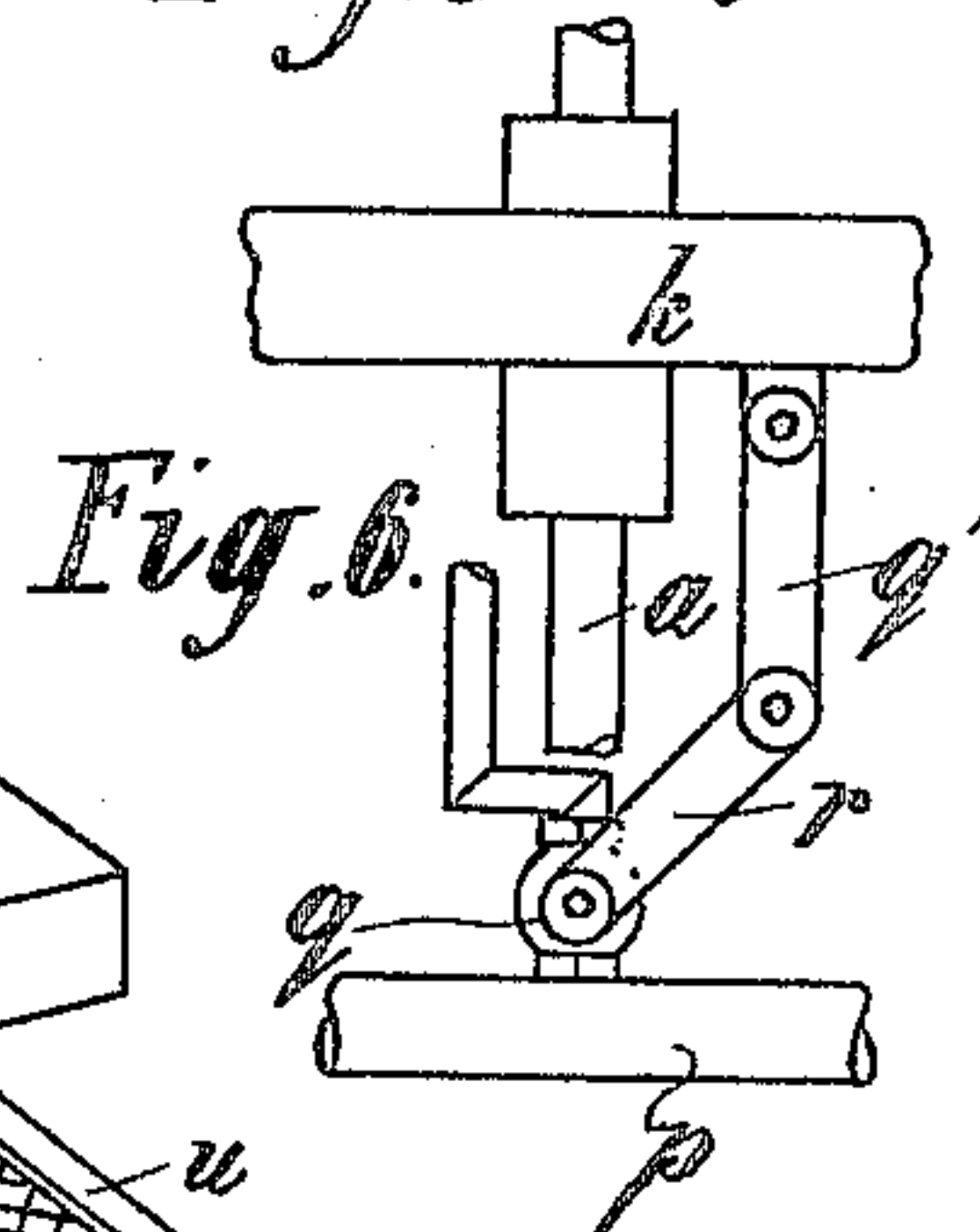


Fig. 6.

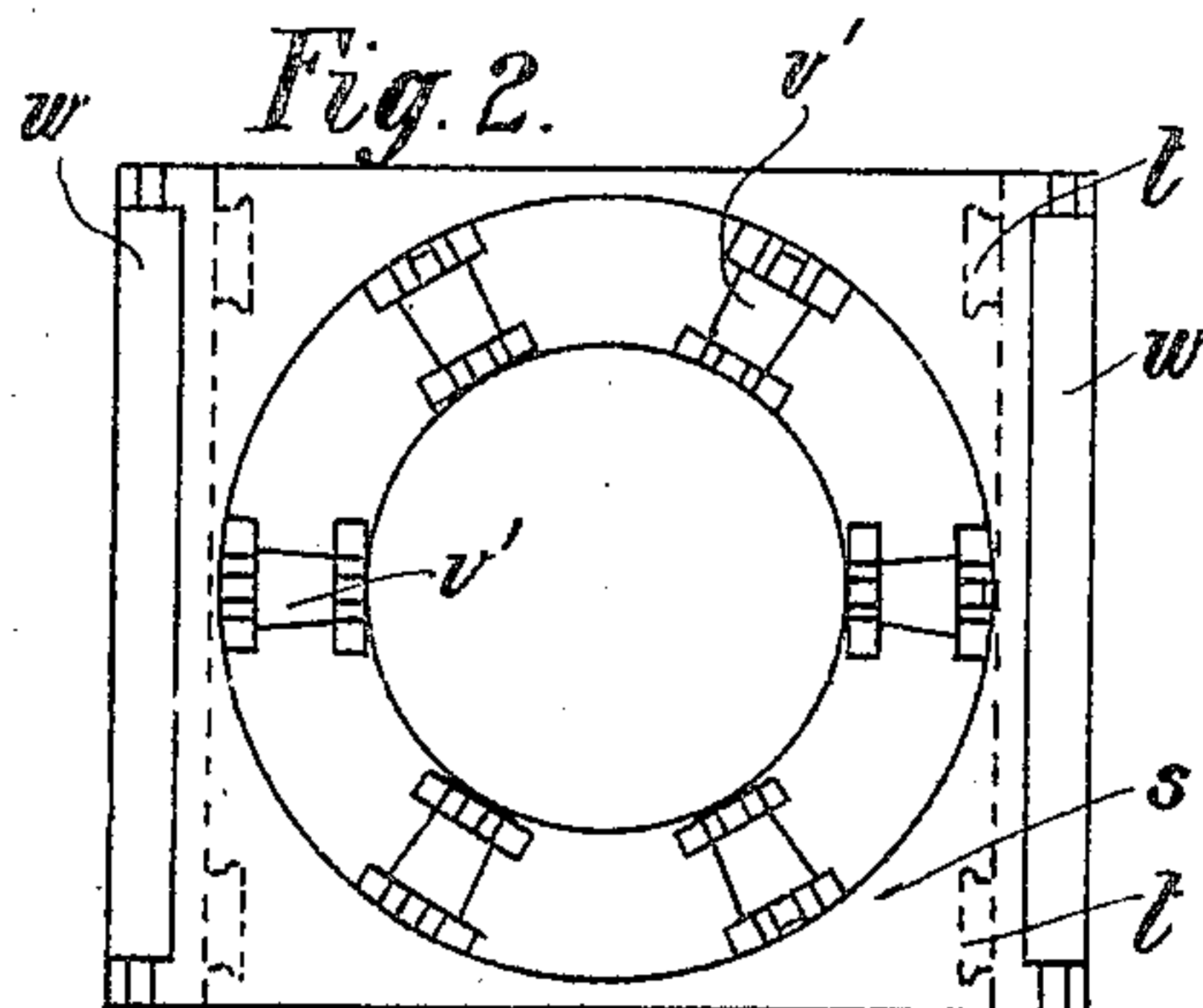


Fig. 2.

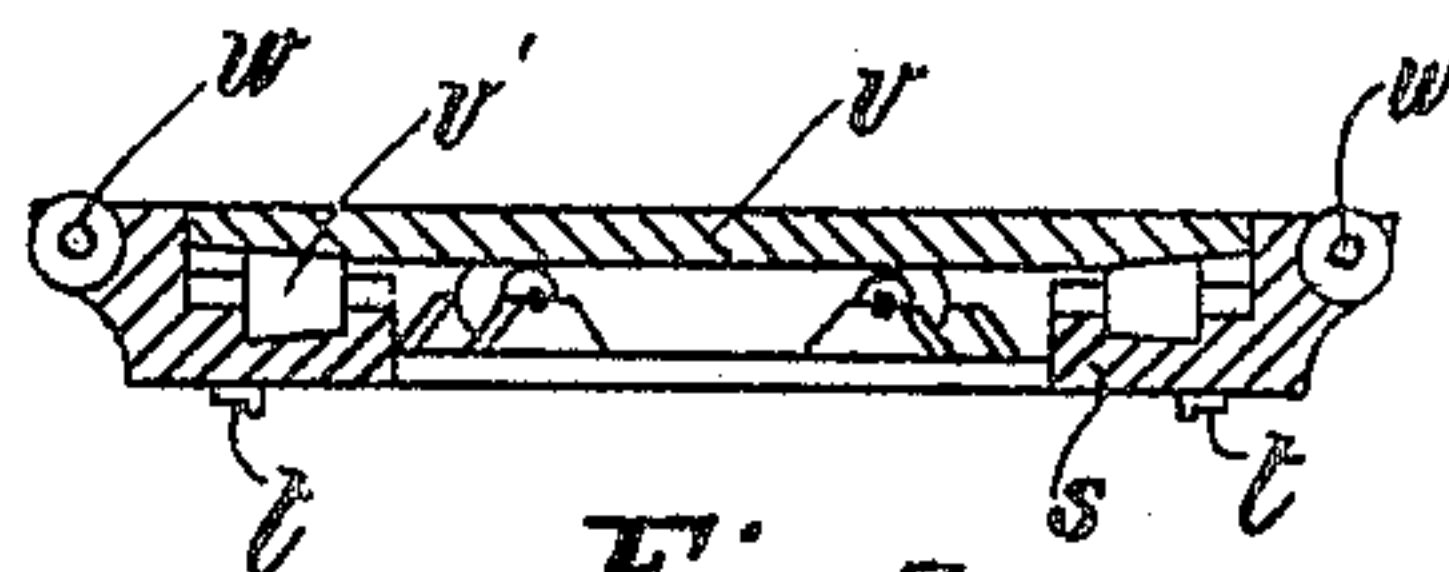


Fig. 3.

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# UNITED STATES PATENT OFFICE.

JAMES INGLE, OF LONDON, ENGLAND.

## BRANDING-MACHINE FOR CASKS, CASES, AND THE LIKE.

No. 821,039.

Specification of Letters Patent.

Patented May 22, 1906.

Application filed October 6, 1905. Serial No. 281,650.

*To all whom it may concern:*

Be it known that I, JAMES INGLE, a subject of the King of Great Britain and Ireland, residing at London, England, have invented  
5 new and useful Improvements in and Relating to Branding-Machines for Casks, Cases, and the Like, of which the following is a specification.

This invention relates to machines for  
10 branding casks, cases, and the like, and has for its object the construction and arrangement of such a machine whereby the operation of branding can be effected with great exactness, extreme simplicity, and small  
15 cost, and, further, wide range of size or shape of device to be branded is obtainable in a single machine.

In order that the invention may be the better understood, I will now proceed to describe  
20 the same in relation to the accompanying drawings hereunto annexed, reference being had to the letters marked thereon.

Like letters refer to like parts in the several figures.

25 Figure 1 is a perspective view of a machine made according to my invention. Figs. 2 and 3 are detail views of the turn-table carrier or platform. Figs. 4 and 5 are detail views of one of the sliding heads for adjusting the machine for taking different sizes of  
30 barrels, casks, and the like. Fig. 6 is a detail view of the gas-control device.

To carry the invention into effect, I arrange preferably two standards *a*, fixedly  
35 supported in a suitable base *b*. Upon each standard a sliding head *c* is mounted adapted to be raised and lowered by means of a nut *d*, mounted in a recess in the head and adapted to engage by means of a screw-thread  
40 upon another screw-thread formed on the upper end of each standard *a*. The nuts *d* are actuated by a worm-wheel *e*, carried by each nut, and worms *f*, mounted on a common transverse shaft *g*, having an operating-  
45 wheel *h* at one end by which the heads can be adjusted.

Sliding upon the standards *a* is a movable frame *k*, which carries any suitable number  
50 or series of branding devices *j*, which are held in slots in the frame *k*, so as to allow of any desired arrangement of position relative to one another. These branding devices *j* are mounted with springs *k'* upon their stems, arranged so that the downward pressure on

the branding devices is through the said  
55 springs in order to accommodate the machine to unevenness of surface. The frame *k* is connected by connecting-rods *l* to arms *m*, attached to a sleeve *n*, loosely journaled on the shaft *g* and provided with a hand-lever  
60 *o*. The range of motion of the levers *m* and connecting-rods *l* is such that they act as toggle-levers at the bottom of stroke, giving great leverage for the branding operation and a quick movement at the upper portion  
65 of the stroke to allow quick removal of the frame to and from the cask or other device being branded. Supported from the heads *c* is the heating device, consisting of a series of gas-tubes *p*, having gas-orifices disposed to-  
70 ward the branding devices *j*, the latter being adapted to pass between the gas-tubes. The gas is controlled by a cock or valve *q*, having a lever *r*, which is connected to the sliding frame *k* by a connecting-rod *q'* or in such a  
75 way that the gas is turned on when the frame *k* is in the upper position, so as to heat the branding devices, and when the frame is lowered to effect the branding operation the gas-flames are automatically lowered, thus  
80 effecting considerable economy of heating agent.

In order to enable the casks and other devices to be readily handled, a moving platform *s* is arranged on the bed plate or base *b*,  
85 which has wheels *t* to insure easy movement on the ways *u*. The platform *s* is provided also with an antifriction turn-table *v*, mounted on rollers *v'*. Side rollers *w* are provided at the edge of the platform to facilitate the  
90 placing of casks, cases, or the like upon the said platform.

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

1. A branding-machine comprising a base, 95 uprights secured thereto, a frame sliding on said uprights, branding devices carried by said frame, a shaft *g* supported at the top of the uprights, a sleeve on said shaft, links connecting said sleeve with the sliding frame 100 and a handle whereby said sleeve may be rocked, substantially as described.

2. A branding-machine comprising a base, uprights secured thereto, a frame sliding on said uprights, branding devices carried by 105 said frame, a shaft *g* supported at the top of the uprights, means for raising and lowering said shaft, a sleeve on said shaft, links con-

necting said sleeve with the sliding frame and a handle whereby said sleeve may be rocked, substantially as described.

3. A branding-machine comprising a base, 5 uprights thereon, a frame sliding on said uprights, a shaft, nuts securing said shaft to the tops of the uprights, means for raising and lowering said nuts, a sleeve on said shaft, means for rocking said sleeve, links connect- 10 ing said sleeve to the sliding frame, a frame consisting of a series of pipes having perforations therein, means for supplying said pipes with gas, links connecting said frame to the adjustable shaft, branding devices se- 15 cured to the sliding frame and arranged to pass between the pipes and means actuated

by the sliding frame for controlling the supply of gas to the pipes, substantially as described.

4. In a branding-machine, a movable frame 20 carrying the branding devices in combination with a traveling platform, rolls arranged in a circle on said platform and a barrel-support mounted to rotate on said rolls.

In testimony whereof I have signed my 25 name to this specification in the presence of two subscribing witnesses.

JAMES INGLE.

Witnesses:

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