

No. 675,642.

Patented June 4, 1901.

P. SHERRER.
BRANDING MACHINE.

(Application filed Aug. 8, 1900.)

(No. Model.)

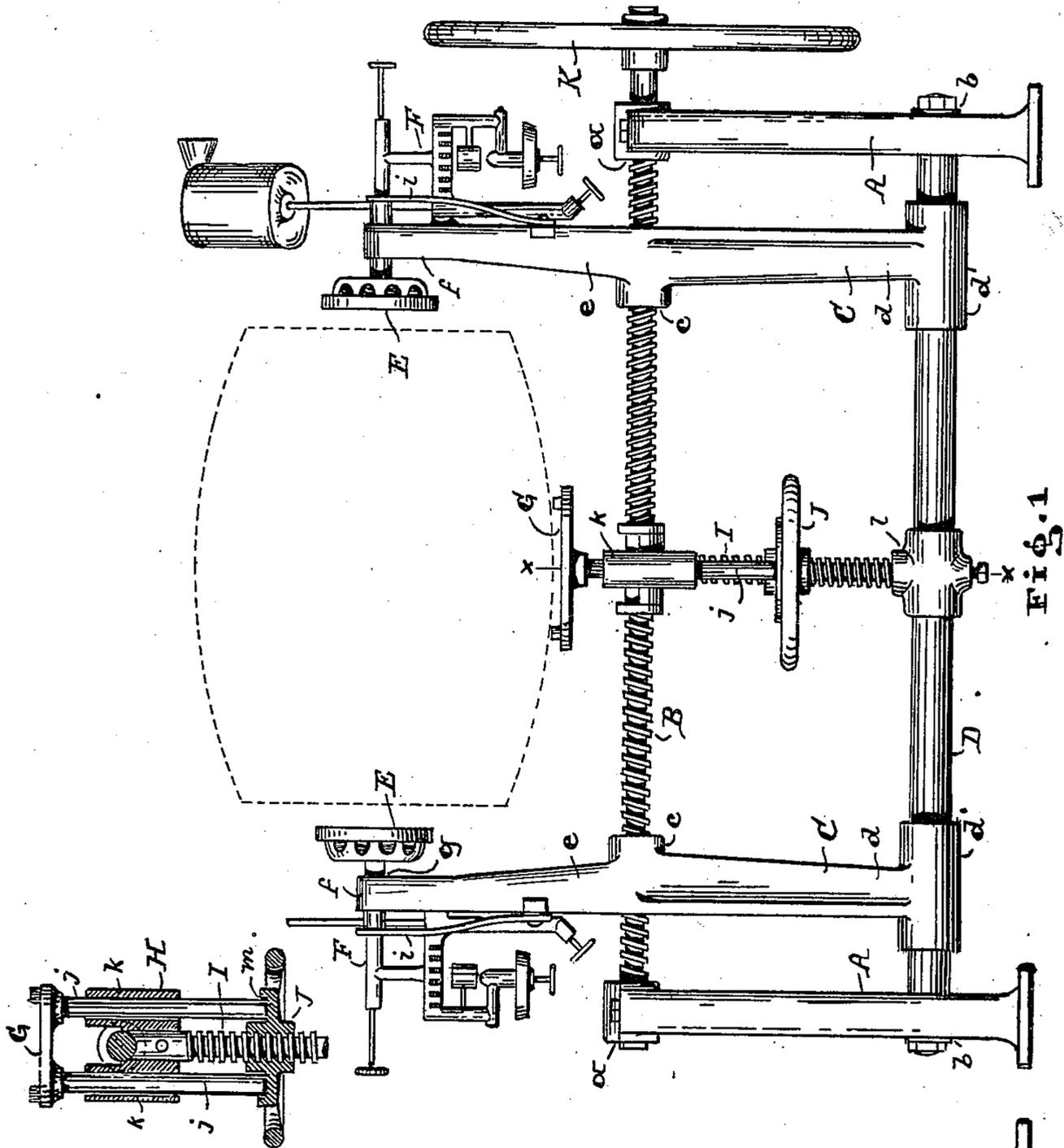


FIG. 1

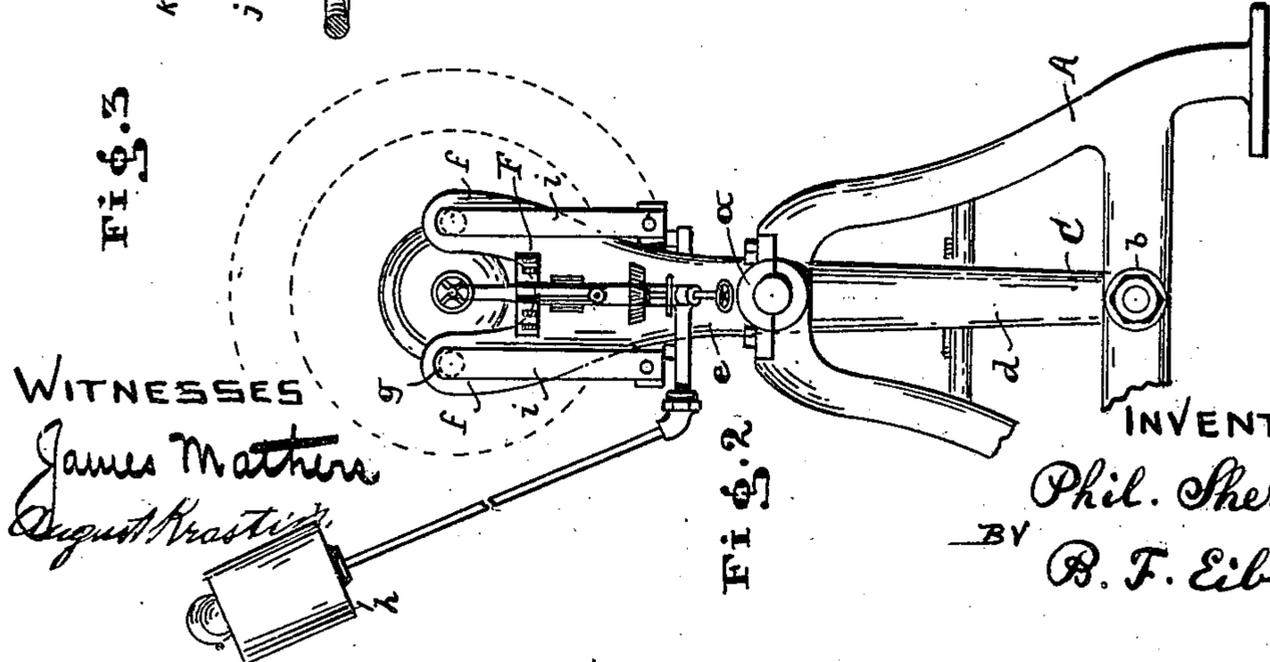


FIG. 2

FIG. 3

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PHILIP SHERRER, OF CLEVELAND, OHIO.

BRANDING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 675,642, dated June 4, 1901.

Application filed August 8, 1900. Serial No. 26,216. (No model.)

To all whom it may concern:

Be it known that I, PHILIP SHERRER, a citizen of the United States of America, and a resident of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Branding-Machines, of which the following is a specification.

My invention relates to improvements in so-called "branding-machines;" and it consists in the construction and combination of parts hereinafter described, pointed out in the claims, and shown in the accompanying drawings, in which—

Figure 1 represents a side elevational view of the machine complete. Fig. 2 is an end view of the same; and Fig. 3 is a detached transverse sectional view on line X X, Fig. 1.

Like letters of reference denote like parts in the drawings and specification.

Substantially the machine comprises the standards A A, the spindle B, the clamps C C, the guide and tie bar D, adjustable branding-irons E E, hydrocarbon-burners F F for heating said irons, and an adjustable support for the packages to be branded.

The standards A A are adapted to receive the spindle B, as at *a a*, and the bar D, as at *b b*. The spindle is screw-threaded right and left, into the threads of which engage the clamps C C with their screw-threaded hub *c*. The lower arm *d* of each terminates in a sleeve *d'*, which has sliding connection with the guide D. The upper arm *e* is bifurcated, as at *f f*, and adapted for support of the branding-irons E E, as at *g g*. (See Figs. 1 and 2.) Said branding-irons have upon their face sides raised letters or signs suited for being burned into the packages to be thus marked. The heating of the irons is effected by means of the burners F F, which receive hydrocarbon fuel from overhead tanks, as indicated at *h*. The flame of said burners is directed against the inner side of said irons approximately centrally, so that the latter will become evenly heated.

Springs *i i* are provided for a yielding ad-

justment of the irons upon the packages to be branded.

The support for the packages comprises the saddle G, the cross-head H, spindle I, and hand-wheel J. The rods *j j* of the saddle extend through the lugs *k k* of the cross-head; as shown in Fig. 3. The spindle I is held in secure position between the spindle B and bar D by means of the cross-head H and the bearing *l*. As shown, collars are employed for retaining the cross-head in fixed position with regard to the spindle, but other suitable provisions may be made to accomplish this. The screw hand-wheel J is placed upon the spindle I for the purpose of raising packages in proper position for being branded. The rods *j j* engage into the circular groove *m* in the disk part of said wheel. Thus upon turning of said wheel the saddle can be raised to suit conditions. Furthermore, the groove *m* can serve in the nature of a lubricant-receptacle, and in placing lubricants therein the frictional resistance of the rods is reduced to a minimum in raising or turning the wheel J. In lowering the wheel the saddle will follow of its own accord.

Preferably to the right of spindle B is secured a large hand-wheel K, whereby the clamps can be tightened upon the packages to be branded and also loosened therefrom when the packages are branded. Furthermore, the spindle B affords adjustment of the clamps to suit the length of packages, while the spindle I enables raising and lowering of the saddle to arrange the different-sized packages in proper position vertically. Obviously this saddle-lifting device may be modified in the construction of its constituent parts—that is, the style of connecting said parts may vary from the one shown and yet answer the purpose for which it is intended.

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

1. In a branding-machine the combination of a pair of fixed standards, a right and left hand screw spindle journaled in said standards, a pair of clamps in threaded engage-

ment with said spindle and sliding contact
with a tie-bar of said standards, branding-
irons carried by said clamps and an adjust-
able support constructed and arranged sub-
stantially as and for the purpose set forth.

5 2. In a branding-machine having an ad-
justable support for the packages to be brand-
ed thereupon the said support comprising a
saddle with depending rods, a cross-head
10 guiding said rods, a fixed spindle and a screw

hand-wheel having a grooved disk receiving
said rods and all constructed and arranged
substantially as and for the purpose de-
scribed.

Signed at Cleveland this 23d day of July, 15
1900.

PHILIP SHERRER.

Witnesses:

BERNH. F. EIBLER,
AUGUST. KRASTIN.