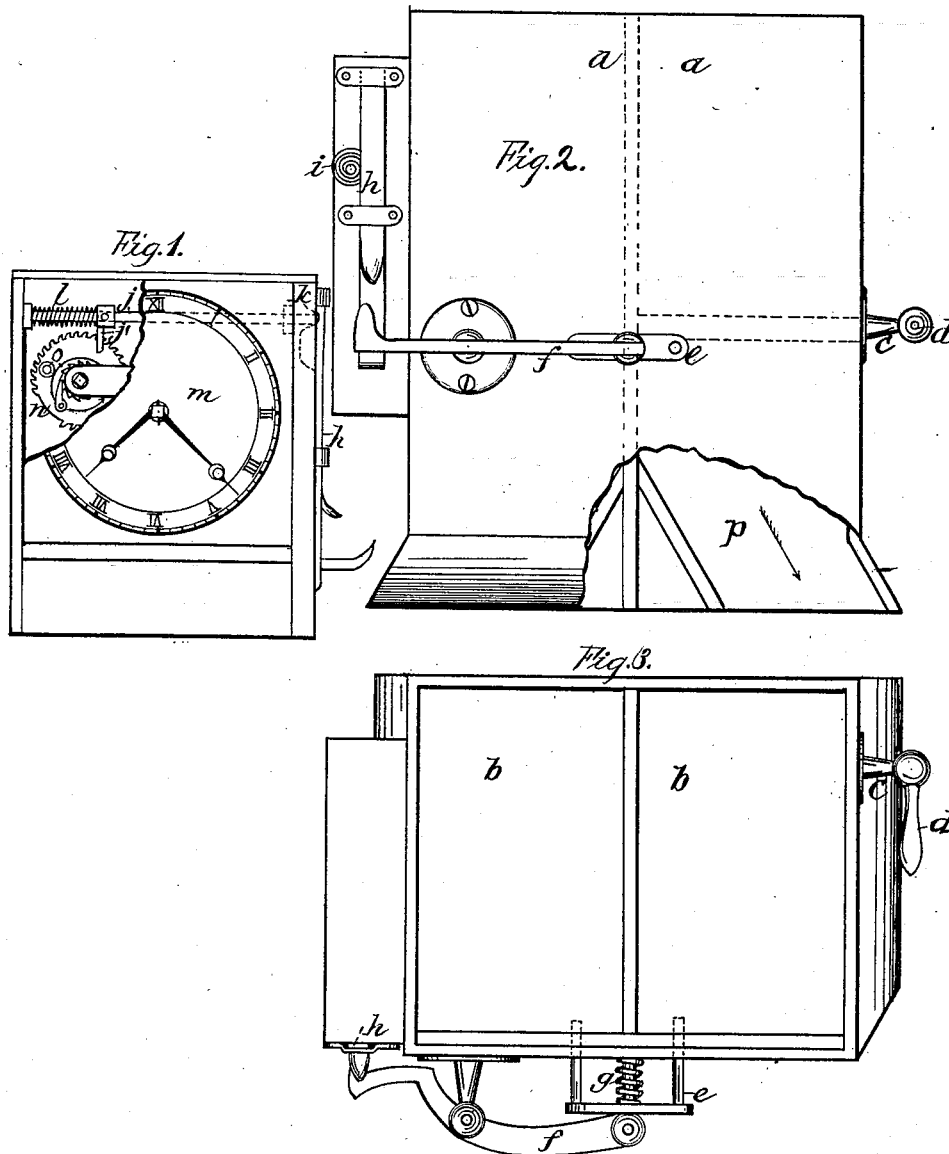


E. STERZING.
Automatic Animal Feeding Device.

No. 199,872.

Patented Jan. 29, 1878.



Witnesses:
Robt. J. Gaylord
Wm. F. Dooley

Inventor:
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Atty.

UNITED STATES PATENT OFFICE.

EMIL STERZING, OF HARTFORD, CONNECTICUT, (P. O. ADDRESS, PARKVILLE, CONN.,) ASSIGNOR OF ONE-HALF HIS RIGHT TO JOSEPH A. MONGOVAN, OF SAME PLACE.

IMPROVEMENT IN AUTOMATIC ANIMAL-FEEDING DEVICES.

Specification forming part of Letters Patent No. **199,872**, dated January 29, 1878; application filed December 15, 1877.

To all whom it may concern:

Be it known that I, EMIL STERZING, of Hartford, in the county of Hartford and State of Connecticut, (P. O. address, Parkville, Conn.,) have invented certain new and useful Improvements pertaining to an Automatic Feeding Device, of which the following is a specification, reference being had to the accompanying drawings, wherein—

Figure 1 is a face view of the clock-work which insures the tripping of the device at the appointed time. Fig. 2 is a side view of the whole device, and Fig. 3 is a top view.

The apparatus is a device for automatically feeding animals at a set time.

The letters *a* denote feed-reservoirs, of which there may be any convenient number, arranged side by side, and all operated by the same tripping apparatus. The letters *b* denote the bottoms of the feed-reservoirs, all hung on the shaft *c*, so that all may drop at once, and all be lifted to place by the handle *d*. They are held to place, as shown by dotted lines in Fig. 2, by the pawl or pawls *e*, pivoted to the end of the pivoted lever *f*. The pawl end of this lever is pressed suddenly outward, when the device is tripped, by the spring *g*. When the apparatus is "set" the pawl end of this lever is held "in," so as to hold the flaps *b* to place, by the opposite end of the lever resting against the sliding bar *h*. This slid-

ing bar is pressed suddenly upward, when the device is tripped, by the spring *i*. When the device is set this bar is held down by the rod *j*, striking into the notch *k*, pressed thereto by the spring *l*.

The device is tripped at the set time by a common alarm-clock work, which I will designate, as a whole, by the letter *m*. On the side of the alarm-wheel *n*, I locate a pin, *o*, which, at the set and appointed time, strikes against the stud *j'*, projecting from the rod *j*, and draws back the rod *j* till it clears the notch *k*, when the bar *h* flies suddenly upward till its lower end clears the lever *f*, when this lever flies in at this end and out at the pawl end, withdrawing the pawls *e* from beneath the flaps *b*, which fall down and deliver the feed, which has been previously placed above them, through troughs *p*, to mangers below.

I claim as my invention—

In combination, the clock-work having the alarm-wheel *n*, bearing the pin *o*, the rod *j*, bearing the stud *j'* and spring *l*, the sliding bar *h*, bearing the notch *k*, the spring *i*, the lever *f*, the pawl *e*, the spring *g*, and the flap *b*, all substantially as described, and for the purpose set forth.

EMIL STERZING.

Witnesses:

WM. E. SIMONDS,
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