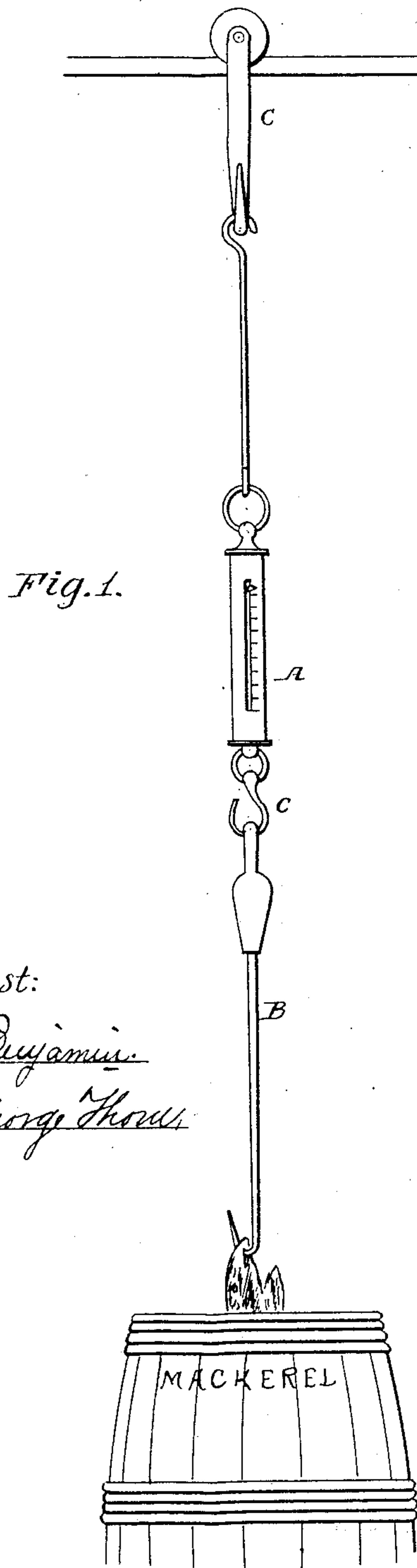


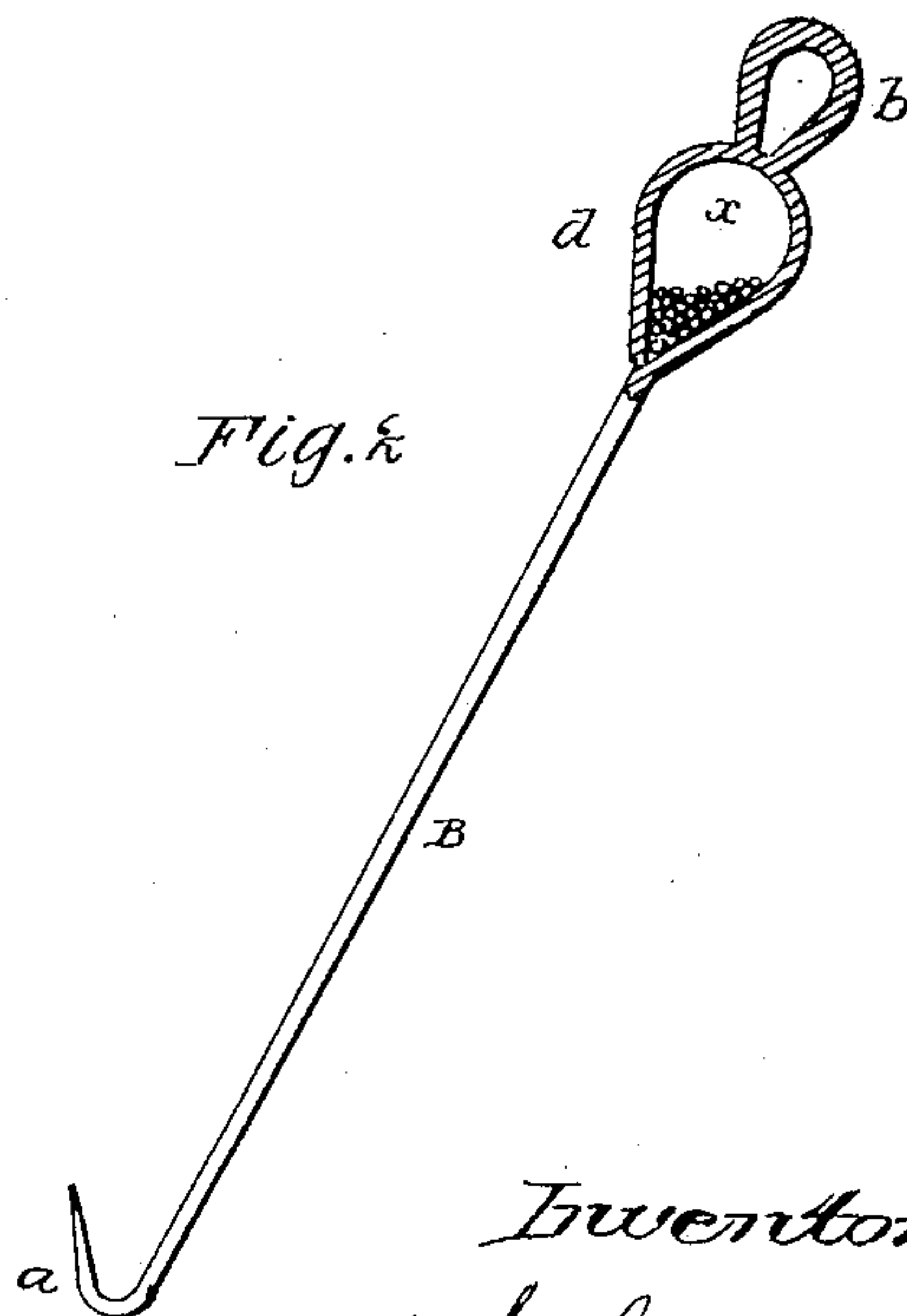
F. H. LINDSLEY.  
Weighing Device.

No. 197,938.

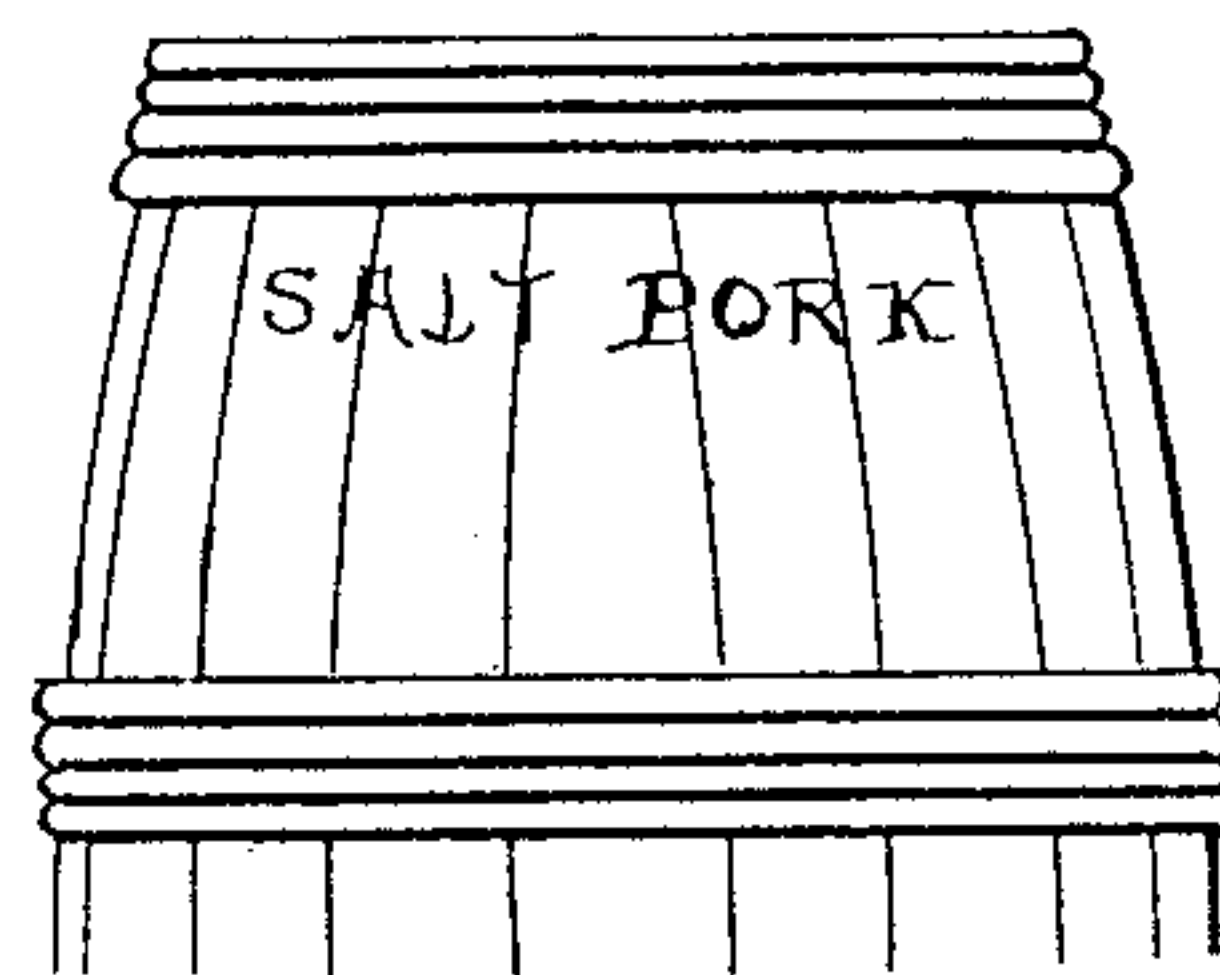
Patented Dec. 11, 1877



Attest:  
Fred Benjamin.  
George Thow.



*Inventor*  
F. H. Lindsley  
*By his attorney*  
Charles V. Porter



# UNITED STATES PATENT OFFICE.

FRANK H. LINDSLEY, OF DOVER, NEW JERSEY.

## IMPROVEMENT IN WEIGHING DEVICES.

Specification forming part of Letters Patent No. **197,938**, dated December 11, 1877; application filed October 18, 1877.

*To all whom it may concern:*

Be it known that I, FRANK H. LINDSLEY, of Dover, Morris county, New Jersey, have invented Improvements in Butchers' Implements, of which the following is a specification:

The object of my invention is to avoid the handling by the hands of mackerel, salt meats, and other articles sold by retailers; to dispense with the use of scoop or platform scales, avoid the mixing of flavors incident to the placing articles of different kinds upon the same platform or scoop, and facilitate the transfer of heavy articles to be weighed; and this I accomplish by the appliances shown in the accompanying drawings, in which—

Figure 1 is an elevation, showing my improvement; and Fig. 2, a detached view, partly in section.

In carrying out my invention I employ a spring-balance, A, although, as will be seen, a lever scale or balance of any kind may be employed.

In connection with the scales I employ a rod, B, having a hook, *a*, at the lower end, formed so that the shaft shall constitute the handle, and provided at the upper end with a staple or eye, *b*, adapted to receive the hook *c* of the scales, which may be suspended in any suitable manner, but are preferably attached to a carrier, C, running on a horizontal bar suspended below the ceiling. The hooked rod or tool B is adapted to the scales, which should stand at zero when the tool is suspended from the hook *c*, or at some determinate point, a recess, *x*, being formed in the enlargement *d* to receive shot when the tool is to be adjusted for use on scales not specially prepared for it.

Difficulty is experienced by butchers, store-keepers, and others in weighing successively different articles of different flavors, from the mixing of the flavors, rendering it necessary to repeatedly wash the scale-platforms, which seldom entirely remedies the difficulty. Further objection exists to the use of the ordinary scales with hooks, even when meat-hooks,

mackerel-hooks, &c., are used, owing to the necessity of handling the material in transferring the same from the grasping-hook to that of the scale.

Owing to the fact that different grasping-hooks, which are never of the same weight, are used about the stores, and that they are provided with T-handles, it is not possible to suspend both hook and article from the scale with facility or to ascertain the correct weight.

The tool B being specially adapted to the scale, and having a determinate weight, and being the only means of placing the article on the scale, is not open to the objection stated, and does not interfere with the instant indication of correct weights, while it retains the articles without any mixing of flavors, and is also effective in withdrawing mackerel, salt pork, beef, &c., from brine, and depositing them on the scales, without any contact whatever with the hands of the operator.

In order to facilitate the placing of heavy articles upon the scales, I suspend the latter to the carrier C, as shown, so that the scales may be brought directly over the barrels of articles most commonly called for, the tool B being used to seize the article, which has only to be raised sufficiently to place the tool on the scales, instead of being transferred some distance to the latter, as heretofore.

Without confining myself to the precise construction and arrangement shown,

I claim—

1. The suspended scales A and detachable tool B, consisting of a handled, hooked, and socketed rod, constructed and adapted to each other, as and for the purpose herein set forth.
2. The said tool having a hollow receptacle, *x*, as and for the purpose set forth.

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

F. H. LINDSLEY.

Witnesses:

FRED. BENJAMIN,  
CHARLES E. FOSTER.