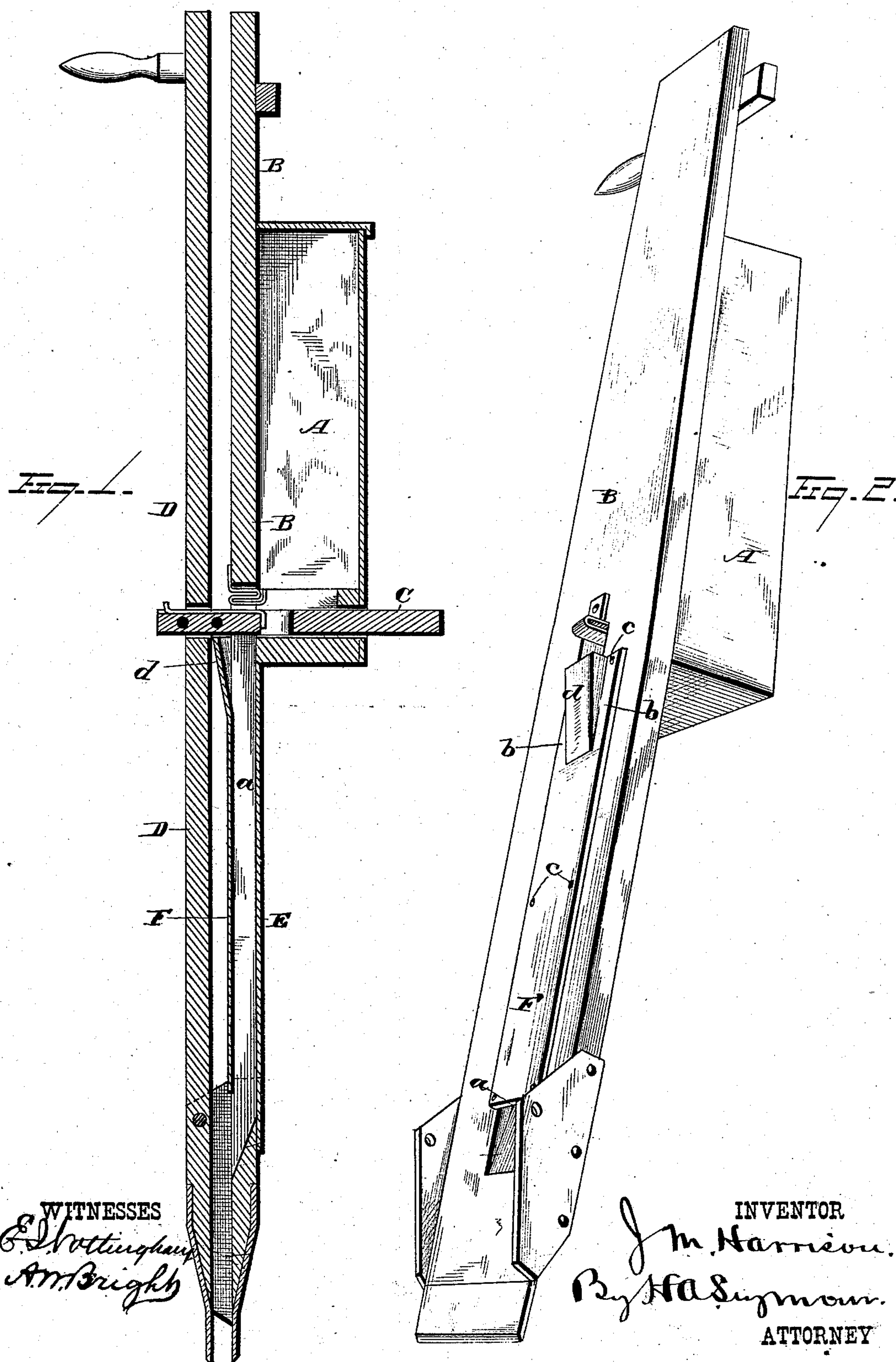


(Model.)

J. M. HARRISON.
Hand Corn Planter.

No. 237,270.

Patented Feb. 1, 1881.



N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES M. HARRISON, OF HALLANSBURG, OHIO.

HAND CORN-PLANTER.

SPECIFICATION forming part of Letters Patent No. 237,270, dated February 1, 1881.

Application filed October 8, 1880. (Model.)

To all whom it may concern:

Be it known that I, JAMES MARTIN HARRISON, of Hallansburg, in the county of Darke and State of Ohio, have invented certain new and useful Improvements in Hand Corn-Planters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

Heretofore hand corn-planters have been made of various different forms. They have had seed-passages formed within one of the hand-levers, and extending from the corn-hopper to the point of discharge between the pair of hand-levers. They have had seed-passages whose inner and outer side walls are formed of metallic plates. They also have had inclined seed-passages formed between the pairs of hand-levers, said passages being in the form of longitudinal hoppers, extending from a point above the seed-slides to the point of discharge between the pairs of hand-levers.

My improvement consists of a straight seed-passage formed within one of the hand-levers, and having its inner and outer side walls formed of metallic plates, the inner plate being parallel with the hand-lever, and having its extreme upper portion provided with a short hopper located below the seed-slide, said hopper projecting laterally into the space formed between the two hand-levers, and being of a width equal to the width of the straight seed-passage, the longitudinal edge portions of the inner plate constituting the flanged sides of the short hopper, by which the latter is secured to the hand-lever.

In the drawings, Figure 1 is a central longitudinal section of a hand-planter provided with the improvements. Fig. 2 is a detail perspective of the inner side of the lever which is provided with the seed-passage.

The corn-hopper A is secured to the outer side of the hand-lever B. This construction, together with that of seed-slide C, is the same as forms the subject-matter of Patent No. 227,769, granted to me May 18, 1880. A straight seed-passage, *a*, is formed in hand-lever B. Metallic plate E constitutes the outer side wall of the passage and metallic plate F constitutes the inner side wall thereof. The extreme upper portion of the inner plate is provided with a short hopper, *d*, which projects laterally therefrom into the space formed between the two hand-levers. The top of this short hopper is in line with the bottom of the corn-hopper, and the seed-slide passes over it. The longitudinal edge portions of plate F constitute the side flanges, *b*, of the short hopper, and suitable fastenings, *c*, secure the edge portions of the plate to the hand-lever.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a hand corn-planter, the combination, with hand-lever B, having the straight seed-passage *a* formed therein, of outer metallic plate, E, and inner metallic plate, F, the latter being formed parallel with the hand-lever, and having its extreme upper portion provided with short hopper *d*, located below seed-slide C, the longitudinal edge portions of the inner plate constituting the side flanges, *b*, of the hopper, the latter being of width equal to that of the seed-passage, and projecting laterally into the space formed between the two hand-levers, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 5th day of October, 1880.

JAMES MARTIN HARRISON.

Witnesses:

THOMAS ALBRIGHT,
GEORGE A. WOLF.