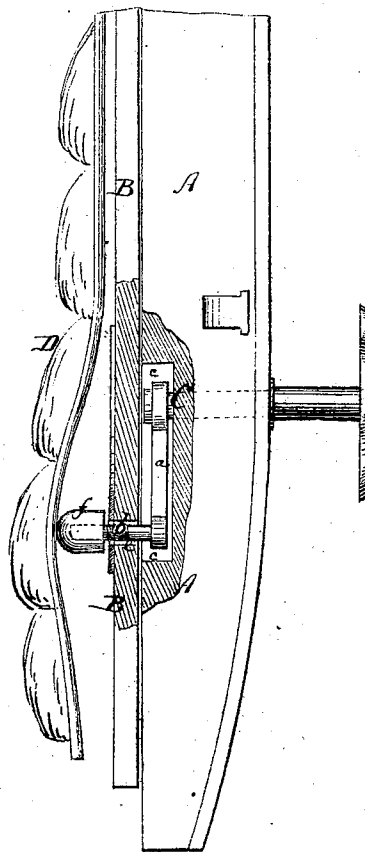
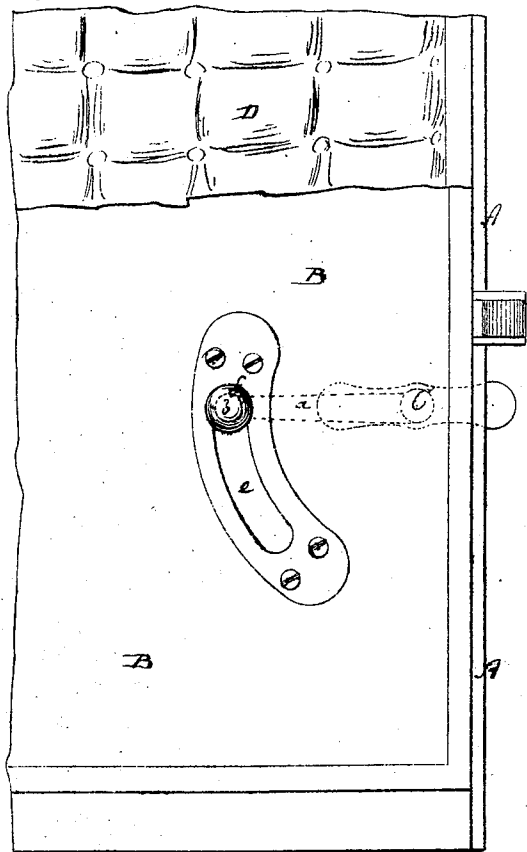


E. Wells' Spring Back Handl for Carriage Doors.

118083 *Fig. 1.*

PATENTED AUG 15 1871 *Fig. 2.*



Witnesses:

Mrs. Nide.
Wm. H. C. Smith.

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UNITED STATES PATENT OFFICE.

EDWARD WELLS, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN HANDLES FOR CARRIAGE-DOORS.

Specification forming part of Letters Patent No. 118,083, dated August 15, 1871.

To all whom it may concern:

Be it known that I, EDWARD WELLS, of New Haven, in the county of New Haven and State of Connecticut, have invented a new and Improved Spring-Back Handle for Carriage-Doors; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents an inner face view of a carriage-door provided with my improved handle. Fig. 2 is a sectional end view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to prevent the inner handle of a carriage-door from being an obstruction to ladies' dresses, &c., and at the same time to furnish a powerful lever for opening the lock. The invention consists in concealing the crank of the handle between the body and inner lining of the door, and in providing a curved slot in said lining through which the crank-pin or knob of the handle projects, so that, in fact, but a portion of said knob will project from the inner face of the door. The inconvenience of the long projecting handle is thus overcome, and still greater power available, as a longer crank proper may be used concealed than when in sight.

A in the drawing represents the body of the carriage-door. B is the inner covering or lining of the same. C is the pin of the lock, by the

turning of which the lock-bolt or catch is opened. To the inner end of this pin is, in suitable manner, applied the crank *a* of the inner handle, carrying the crank-pin *b*. For the reception of this crank *a* there is a recess, *c*, cut into the face of the body A, as shown in Fig. 2, so that said crank will be concealed between the body and lining. For the pin *b* a curved slot, *e*, properly lined with metal or otherwise finished, is cut through the lining and an ornamental or plain head, *f*, screwed or otherwise fastened to the end of the pin *b*. The said knob will then be all that projects from the face of the door. A suspended lining, D, of fabric may be applied to the door to cover the knob *e* and bring it entirely out of sight, as indicated in Fig. 2. The crank *a* may, in the stated form, be of suitable length, as it does not injure the appearance of the door by its size, and great leverage may thus be gained, enabling ladies to open the door from the inside.

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

The arrangement of the crank *a b c* between the body and inner lining of the door, with its knob *f* projecting through and working in an arc slot formed in the said lining, said crank operated, also, by the spindle upon the outside, for the purpose specified.

EDWARD WELLS.

Witnesses:

CHARLES IVES,
EDWD. E. MIX.