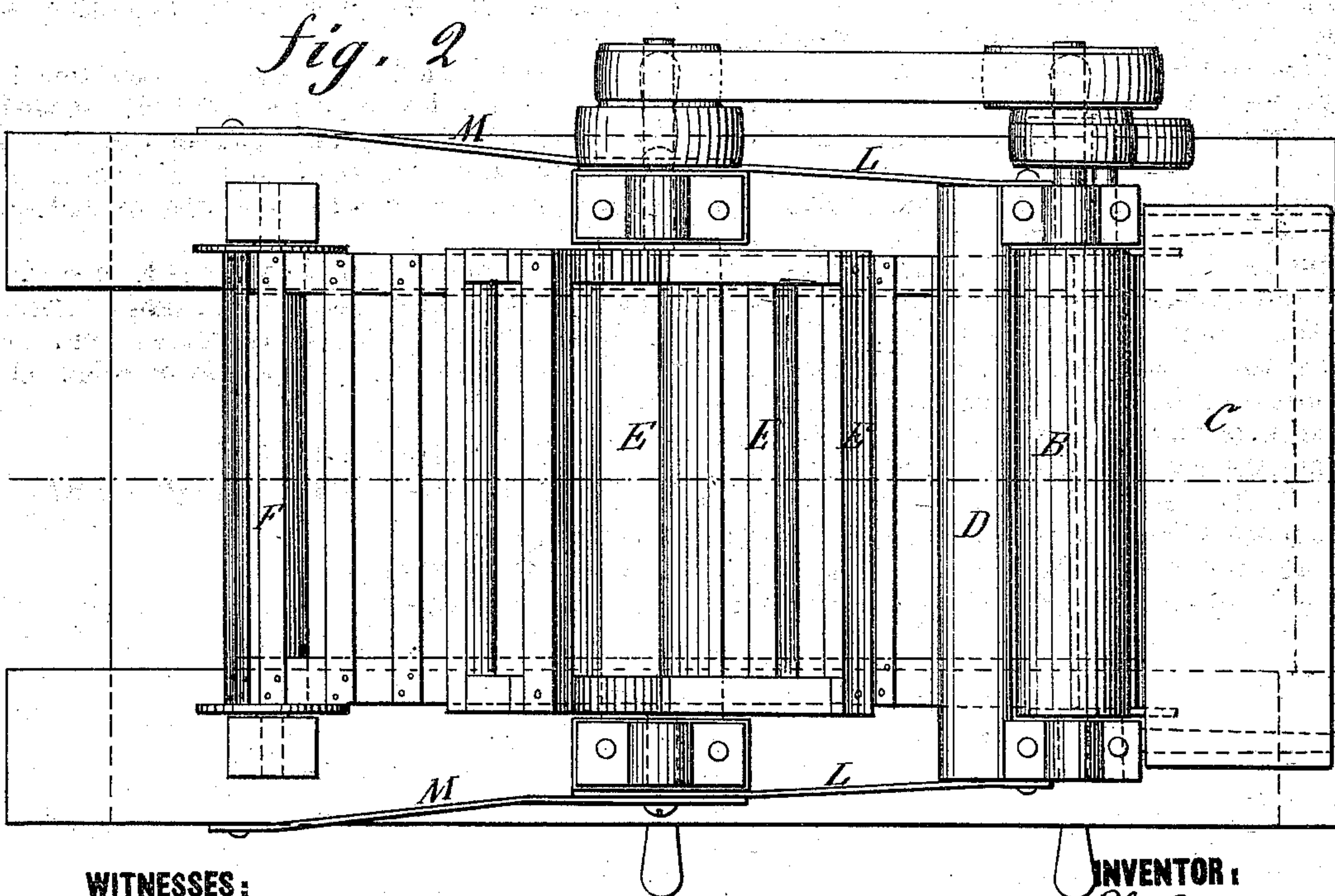
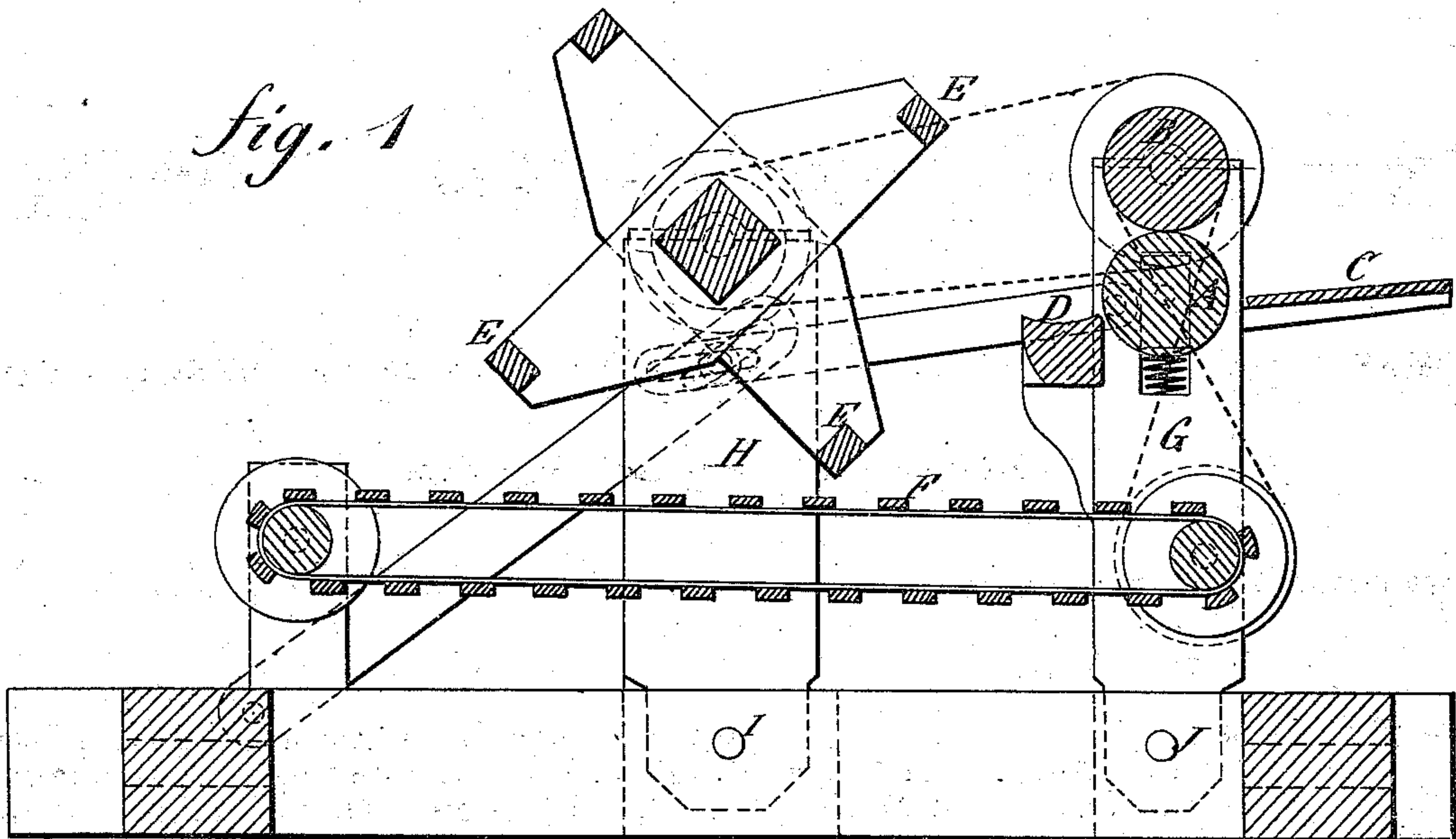


F. J. DEAN & M. W. FORWARD.

Hemp-Brakes.

No. 154,377.

Patented Aug. 25, 1874.



WITNESSES:

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ATTORNEYS.

# UNITED STATES PATENT OFFICE.

THOMAS J. DEAN AND MONTGOMERY W. FORWARD, OF LAWRENCE, KANS.

## IMPROVEMENT IN HEMP-BRAKES.

Specification forming part of Letters Patent No. **154,377**, dated August 25, 1874; application filed June 13, 1874.

*To all whom it may concern:*

Be it known that we, THOMAS J. DEAN and MONTGOMERY W. FORWARD, of Lawrence, Douglas county, Kansas, have invented a new and Improved Flax-Brake, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is a longitudinal sectional elevation of our improved machine, and Fig. 2 is a plan view.

A and B are a pair of crushing-rollers, to which the flax is fed on a table, C, by any suitable means. D is a stationary beater, onto which the crushed flax is delivered as it comes from the rollers. E represents the revolving beaters, and F the endless carriers. This carrier runs from under the stationary beater under the revolving beaters, and thus continually presents the flax hanging over the stationary beater to the revolving beaters, so that they have a more efficient action in the way of stripping the broken stalk from the fiber than they could have otherwise. The standards or hous-

ings G and H for the crushing-rollers and the revolving beaters are pivoted to the bed-frame at I J, and they are connected together by adjustable bars L and braced by bars M, so that the revolving beaters and the stationary beaters can be adjusted relatively to each other, as required.

The lower crushing-roller is mounted on springs P, to allow it to rise and fall according to the quantity of flax between the rollers.

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

The combination, with beaters D E, of standards G H, pivoted to bed-frame I and connected by adjustable bars L, as shown and described, to enable said beaters to be relatively adjusted.

THOMAS J. DEAN.  
MONTGOMERY W. FORWARD.

Witnesses:

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