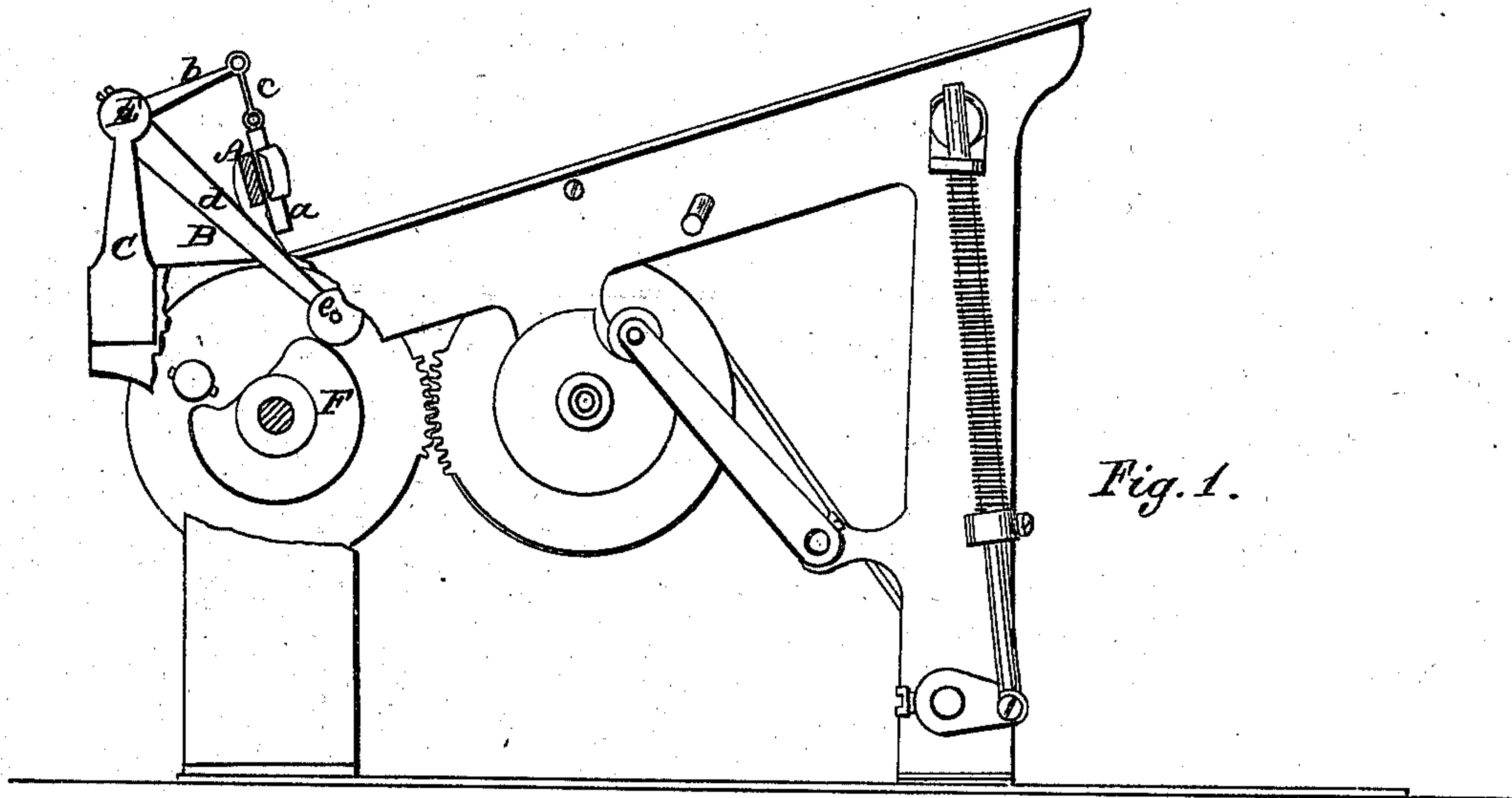
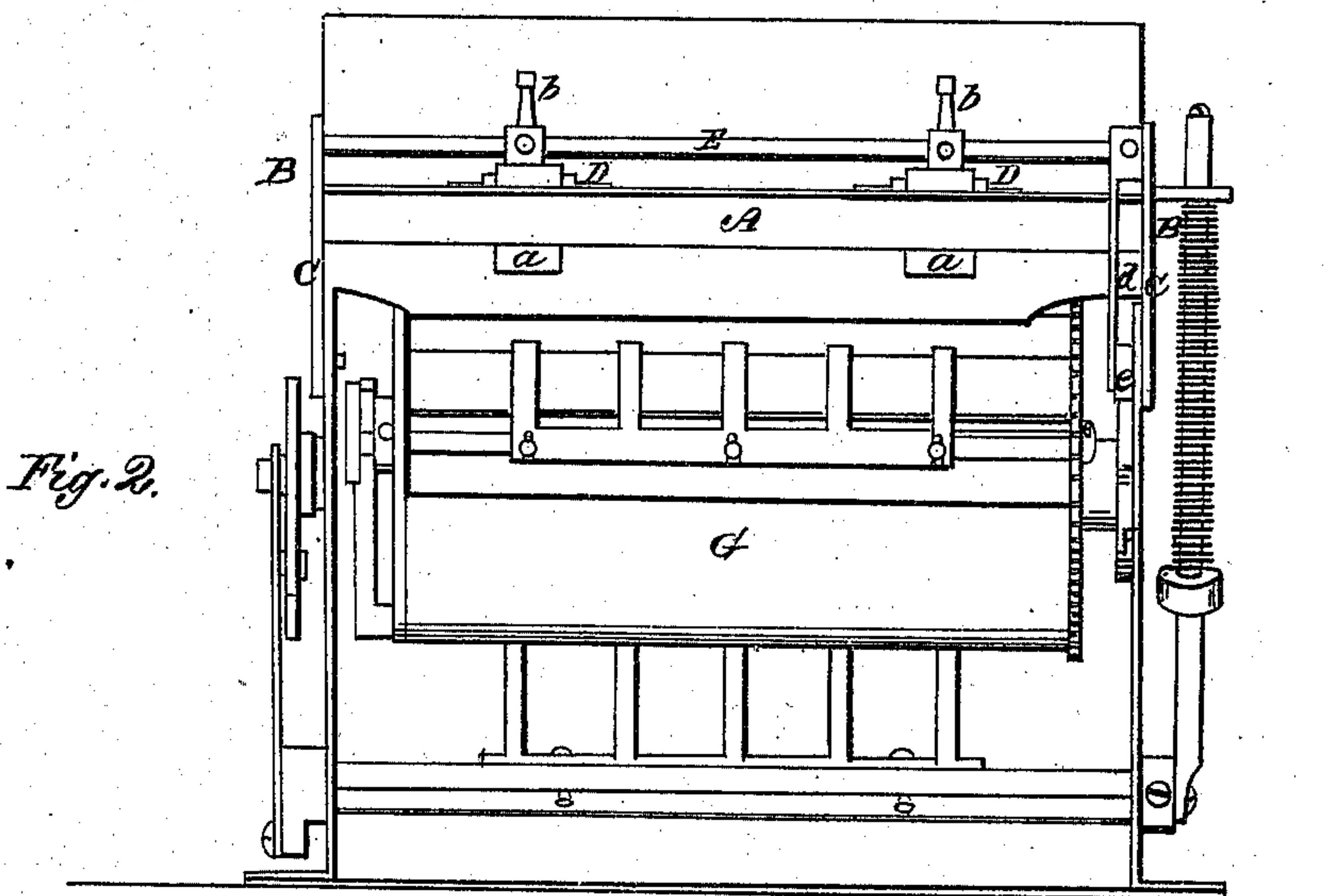


*J. M. Brownson.*  
*Feeding Mach.*  
*N<sup>o</sup> 100,494. Patented Mar. 8, 1870.*



*Fig. 1.*



*Fig. 2.*

*Witnesses.* *Edmund C. Osborn.*  
*George W. Brownson*

*Inventor.*  
*James M. Brownson*

# United States Patent Office.

JAMES M. BROWNSON, OF BROOKLYN, NEW YORK.

Letters Patent No. 100,494, dated March 8, 1870.

## IMPROVEMENT IN PRINTING-PRESSES

The Schedule referred to in these Letters Patent and making part of the same.

I, JAMES M. BROWNSON, of Brooklyn, in the county of Kings, and State of New York, have invented certain Improvements in Printing-Presses, of which the following is a specification.

### *Nature and Objects of the Invention.*

My invention relates to printing-presses, and consists in the employment of mechanism for automatically holding the sheets, so as to insure their proper delivery to the grippers on the impression-cylinder.

### *Description of the Accompanying Drawings.*

Figure 1 is a side elevation of a cylinder press with my improvement attached thereto.

Figure 2 is a front elevation of the same.

### *General Description.*

A represents a bar, placed above the feed-table of a press, immediately over the impression-cylinder, it being held in position by the supports B B, secured to the side frames of the press.

To this bar are secured the bearings D D, in which the weights *a a* slide.

These weights are so operated, that when the guides or stops by which the sheet is registered are withdrawn, to allow the nippers upon the impression-cylinder to seize the sheet, they will drop upon and hold the paper in position until the nippers have taken it.

The weights are operated by the arms *b b* on the shaft E, to which the former are connected by the

links *c*, and the shaft E is actuated by the arm *d*, secured to it, and the cam F on the impression-cylinder shaft, upon which the roller *e*, on the end of the arm *d*, rests.

This cam is so shaped and adjusted on the shaft, that at the proper intervals the weights *a* are dropped upon the paper, or raised therefrom, as may be required.

By the employment of this mechanism, the sheet is held in position, and prevented from being moved, by the vibration of the press or other means, at the moment when the register-stops on the end of the feed-table have been withdrawn to permit the nippers to seize the paper, so that a perfect register of the sheet may be always obtained.

The weights are connected to the arms *b*, independently, by the flexible links, in order to enable the weights to accommodate themselves to any inequality that may occur in the level of the feed-table.

### *Claim.*

I claim automatically holding and releasing the sheets, so as to insure their proper delivery to the nippers as they are fed to the press, substantially as described and specified.

JAMES M. BROWNSON.

Witnesses:

C. A. DURGIN,  
EDWARD E. OSBORN.