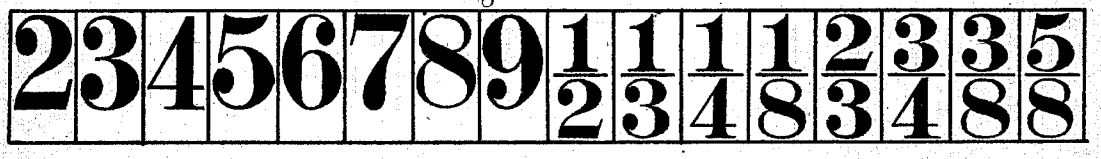
2 Sheets--Sheet 1.

D. W. BRUCE.

Printing Types.

No. 139,365. Patented May 27, 1873.

Figure 1.



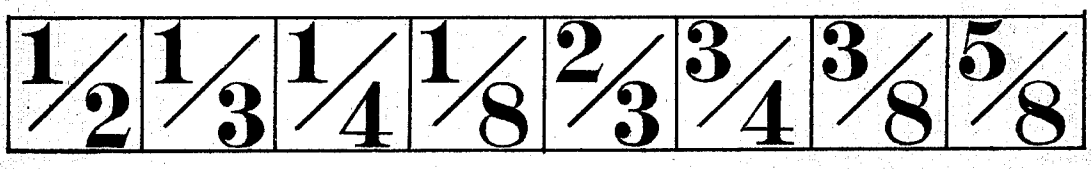
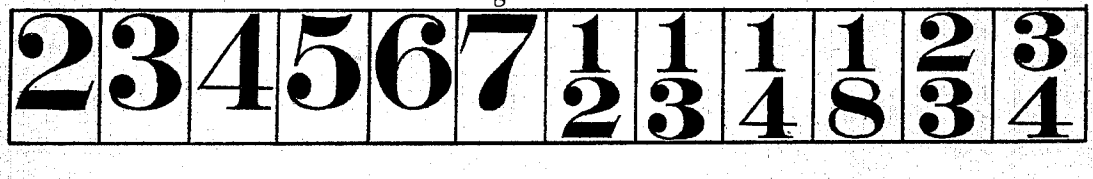
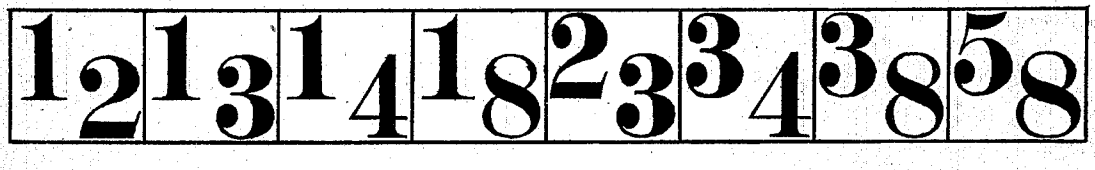


Figure 2.





Witnesses:-

H. Gr. Hall

H. B. Munson

David Wolfe Bruce

AM. PHOTO-LITHOGRAPHIC CO. N.Y. (OSBORNE'S PROCESS.)

2 Sheets--Sheet 2.

D. W. BRUCE.

Printing Types.

No. 139,365. Patented May 27, 1873.

Figure 1.

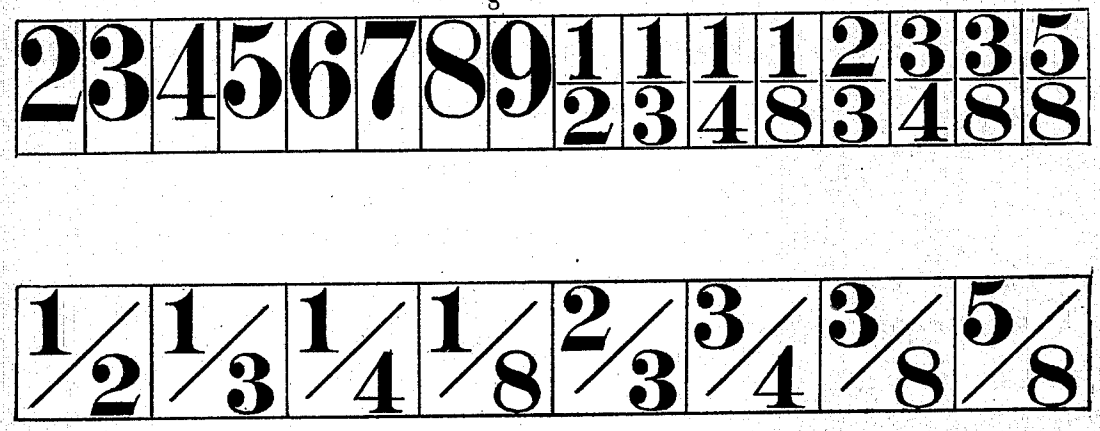
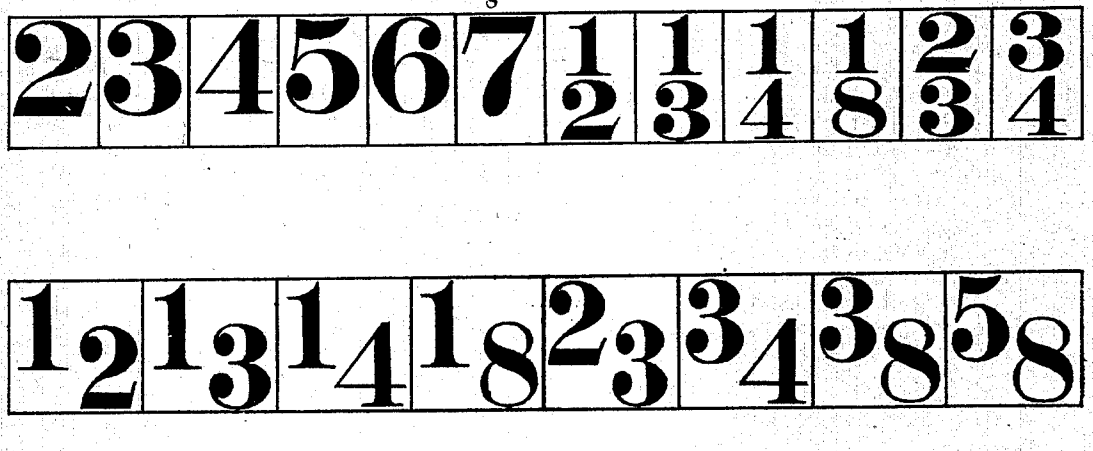


Figure 2.



Witnesses:-

David Wolfe Bruce

AM. PHOTO-LITHOGRAPHIC CO. N.Y. (OSBORNE'S PROCESS)

UNITED STATES PATENT OFFICE.

DAVID W. BRUCE, OF NEW YORK, N. Y.

IMPROVEMENT IN PRINTING-TYPES.

Specification forming part of Letters Patent No. **139,365**, dated May 27, 1873; application filed March 17, 1873.

To all whom it may concern:

Be it known that I, DAVID WOLFE BRUCE, of the city, county, and State of New York, have invented a new and useful Improvement in Making Printing-Types; and I do hereby declare that the following is a full, clear, and exact description of the construction of the same, reference being had to the annexed drawings making a part of this specification.

Figures in printing-types are now cast one-half of the width of the body of the type, and fractions are cast either one-half the width or the same width as the body of the type. These I show in Figure 1 of the drawing annexed.

Compositors justify the blanks in columns of figures and fractions by means of "en" and other quads.

These figures and fractions, when cast in small type, such as nonpareil, agate, and smaller, are very indistinct, and especially so when printed in common newspaper work. To obviate this indistinctness I construct the figures broader, by casting them two-thirds of the width of the body, whereby they are easily justified by two of the ordinary three-in-em spaces; and I propose to enlarge the face of the fractions by omitting the line between the numerator and denominator thereof, thus being enabled to make their faces larger upon the ordinary "en" or "em" body. These I show in Fig. 2 of the drawing annexed.

Expressly disclaiming any design of the figures,

What I do claim as my invention, and desire to secure by Letters Patent, is—

1. Figures and fractions in printing-type cast upon a block equal to two-thirds the width of the body of the "em" or standard type.

2. Fractional figures in printing-type, constructed without a dividing-line, without regard to width of body.

DAVID WOLFE BRUCE.

Witnesses:

H. M. HALL,

V. B. MUNSON.