

(No Model.)

J. P. BEATTY.
MACHINE FOR PRESSING HATS.

No. 286,576.

Patented Oct. 16, 1883.

Fig. 2.

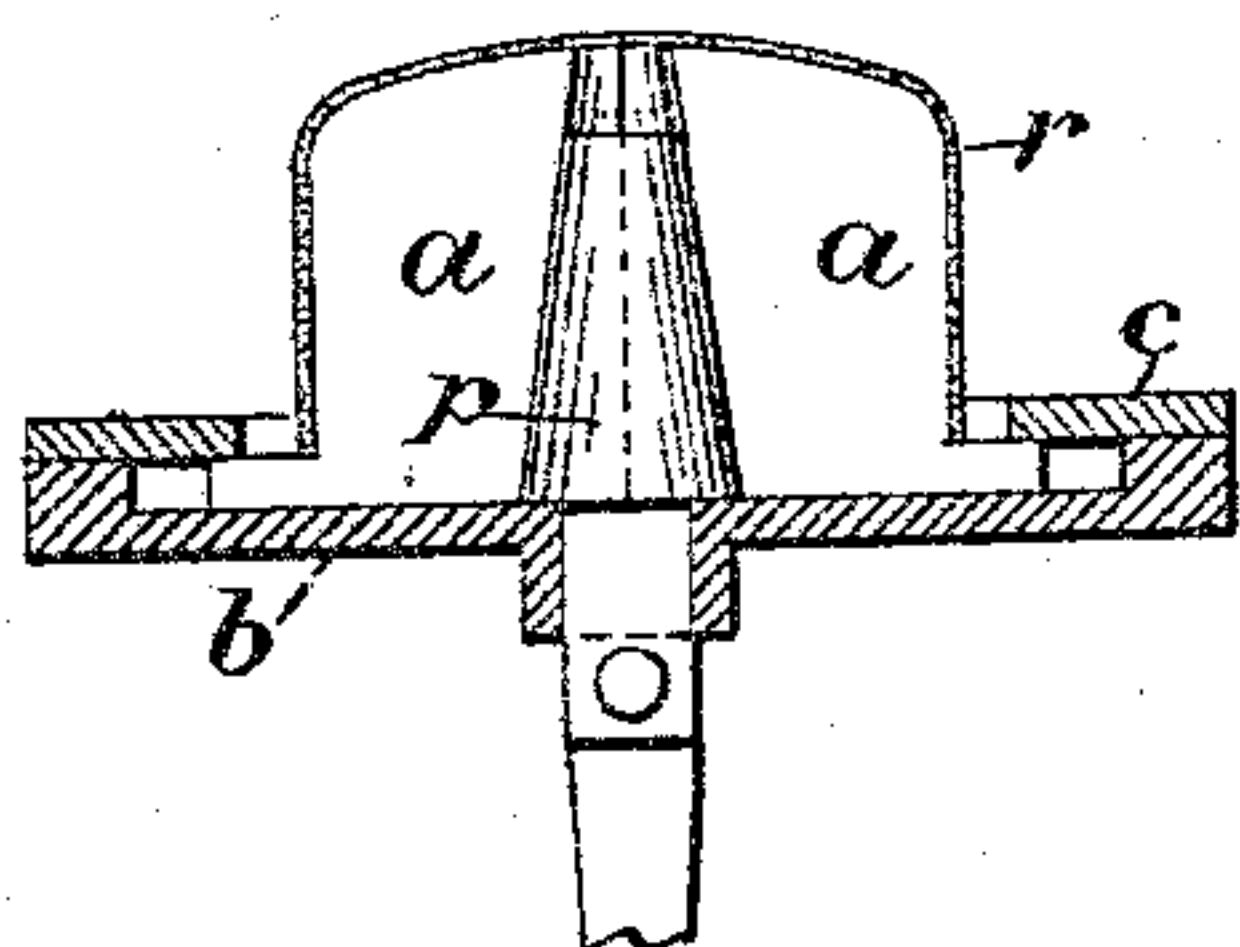


Fig. 3.

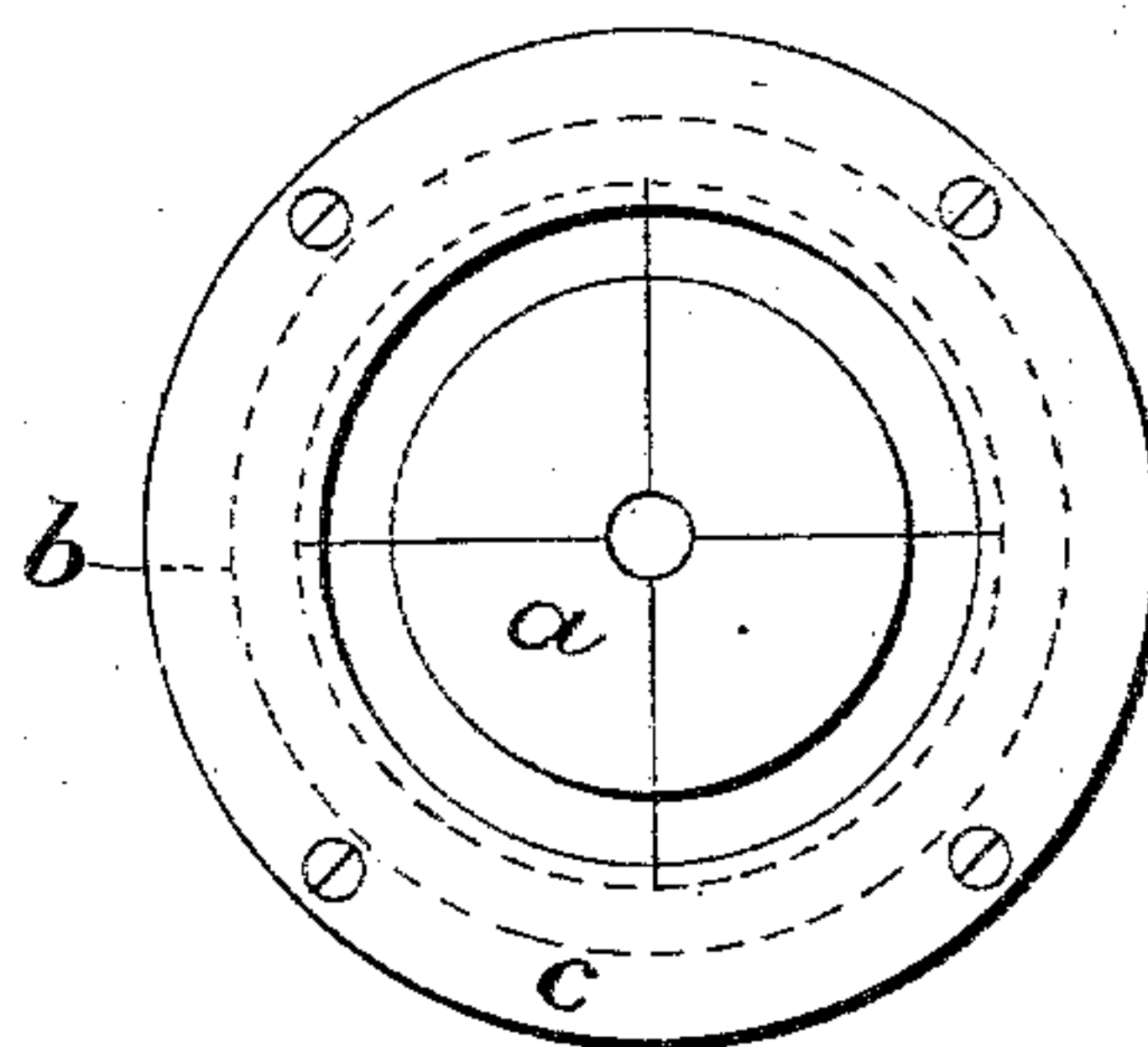
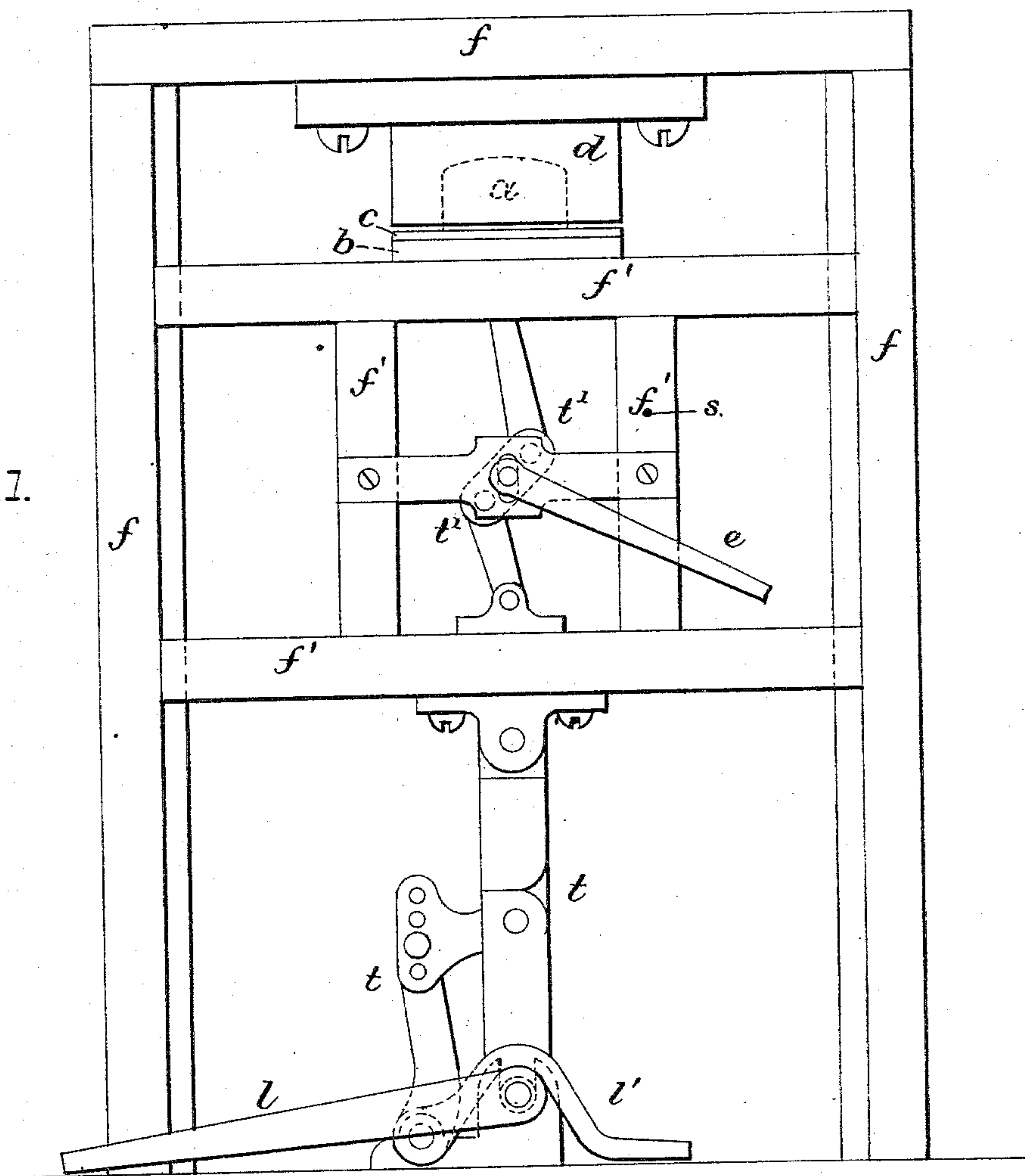


Fig. 1.



ATTEST:
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UNITED STATES PATENT OFFICE.

JOHN P. BEATTY, OF NORWALK, CONNECTICUT, ASSIGNOR TO HIMSELF
AND SAMUEL BEATTY, OF SAME PLACE.

MACHINE FOR PRESSING HATS.

SPECIFICATION forming part of Letters Patent No. 286,576, dated October 16, 1883.

Application filed August 9, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN P. BEATTY, of Norwalk, in the county of Fairfield and State of Connecticut, have invented a new and useful Improvement in Machines for Pressing Hats, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

The object of my invention is to provide for the better adjustment and more convenient application of pressure to the brim and crown of the hat.

The hat-pressing machine in any of its usual forms may be used; and my invention consists in providing the hat-block on which the hat rests, and which is formed in two parts—namely, a brim-block and a crown-block—with means to increase the pressure on the crown-block independently of the brim-block.

In the drawings, Figure 1 is a front elevation of the machine. Fig. 2 is a vertical section of the hat-block. Fig. 3 is a plan view of the hat-block.

An ordinary form of pressing-machine is shown in Fig. 1, which may be described as follows: The frame *f* is formed with a mortise on the inside, on which the block-carrier *f'* may slide freely up and down. A system of toggles, *t*, with a toggle-lever, *l'*, is provided to raise and lower the block-carrier *f'*. On the block-carrier *f'* is placed the hat-block *a b*. Supported from the top of the frame is the female die *d*.

The usual operation of the machine is to lower the carrier-block *f'*, by raising the toggle-lever *l'*, and place the hat upon the hat-block *a b*. Pressing the lever *l'* down, the hat is brought into contact with the female die *d*. By means of the long lever *l*, which turns a shaft on which is an eccentric fitted in the lower toggle-joint, *t*, further pressure may be applied to the hat-block *a b* to any desired extent.

In my improved machine I construct the hat-block *a b*, Fig. 2, formed of two parts, *a*, the crown-block, and *b*, the brim-block, in such manner that a further pressure may be applied to the crown-block *a* to any desired extent. The crown-block *a* is made in sections, the lower and outer edges of which are formed in flanges which move to and fro in the space be-

tween the upper and lower plates, *c* and *b*, of the brim-block. The sections of the crown-block where they meet in the center are grooved, so that a conical space is left with its base at the bottom for the entrance of a conical piston, *p*, attached to the end of the toggle *t*, Fig. 1.

By means of the system of toggles *t'* and the toggle-lever *e*, arranged in the carrier-frame *f'*, Fig. 1, the piston *p* is pushed in and withdrawn from between the sections of the crown-block *b*, thus expanding the crown-block, and giving an additional pressure on the crown of the hat. A stop-pin, *s*, may be placed on the upright of the carrier-frame *f'*, to prevent the lever *e* being moved too far. The crown-block *a* is also provided with a rubber cap, *r*, Fig. 2, of any desired thickness, which may also be constructed so as to extend out over the brim-block instead of terminating at the lower edge of the crown-block, as shown in the drawings. This rubber cap serves to contract the crown-block when the expanding-piston is withdrawn, and to cover the spaces left by the sections of the crown-block in expanding, so that the pressure will be equal on all parts of the crown of the hat. By this arrangement I am enabled not only to vary the pressure upon the crown of the hat relative to the brim, but also to change the crown-block without changing the brim-block.

I do not wish to be understood as claiming a hat-block formed of two parts, brim and crown, adjustable with reference to each other; but

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

1. In a hat-pressing machine, a hat-block formed of two parts, brim and crown, adjustable with reference to each other, and provided with means of increasing the pressure on the crown-block independently of the brim-block, substantially as described.

2. The hat-block *a b*, combined with the piston *p*, the toggles *t'*, and lever *e*, to supply a varying pressure on the part *b* of the hat-block *a b*, substantially as described.

JOHN P. BEATTY.

Witnesses:

JOHN E. ALLEN,
GEO. W. JACACKS.