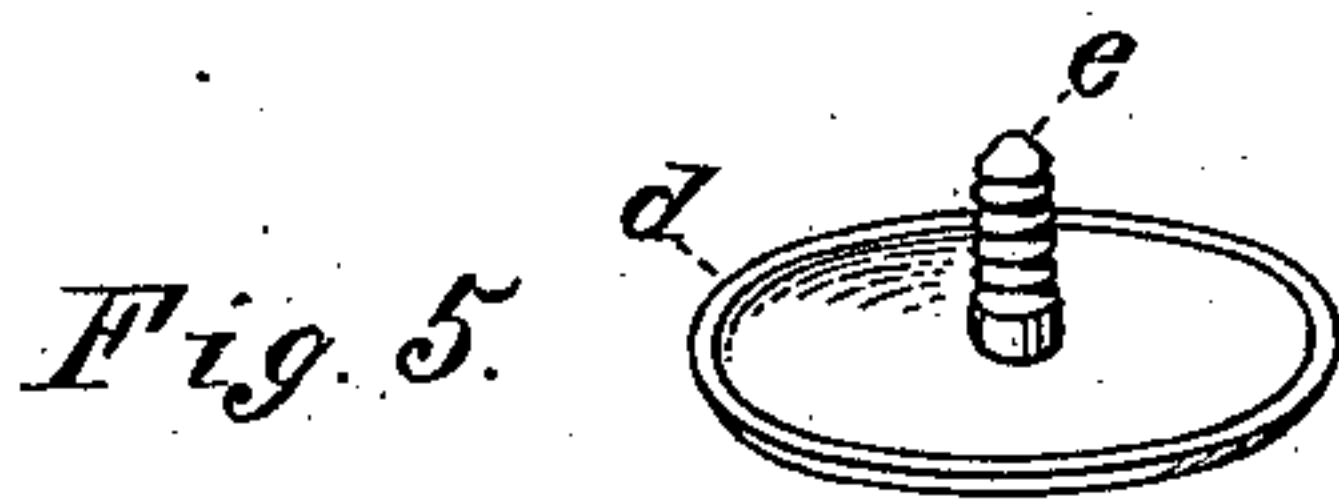
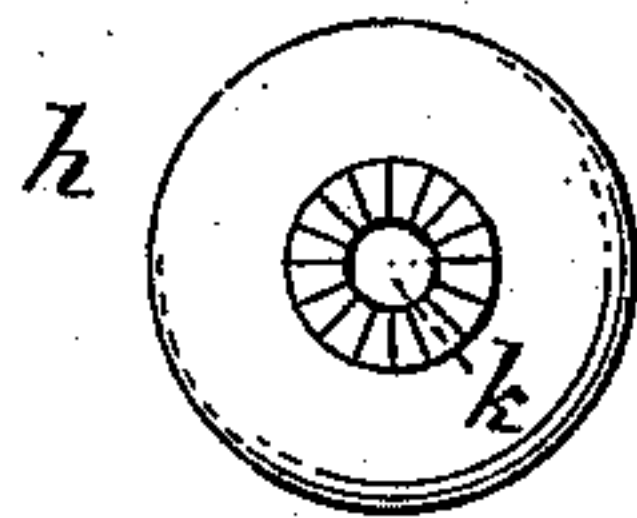
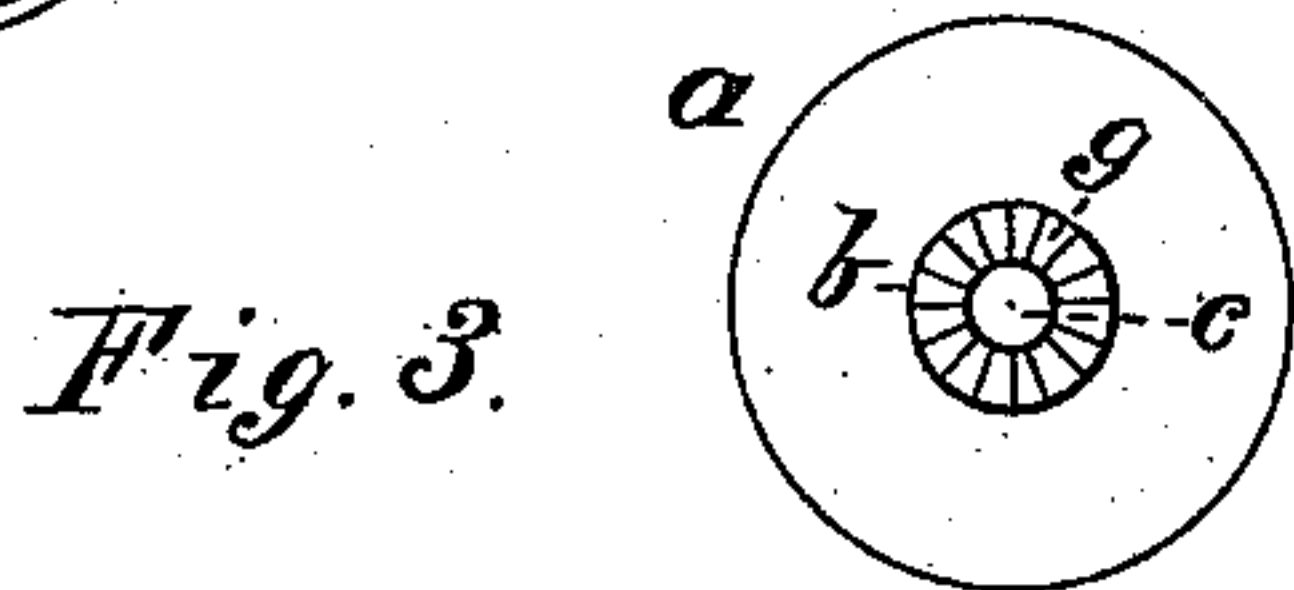
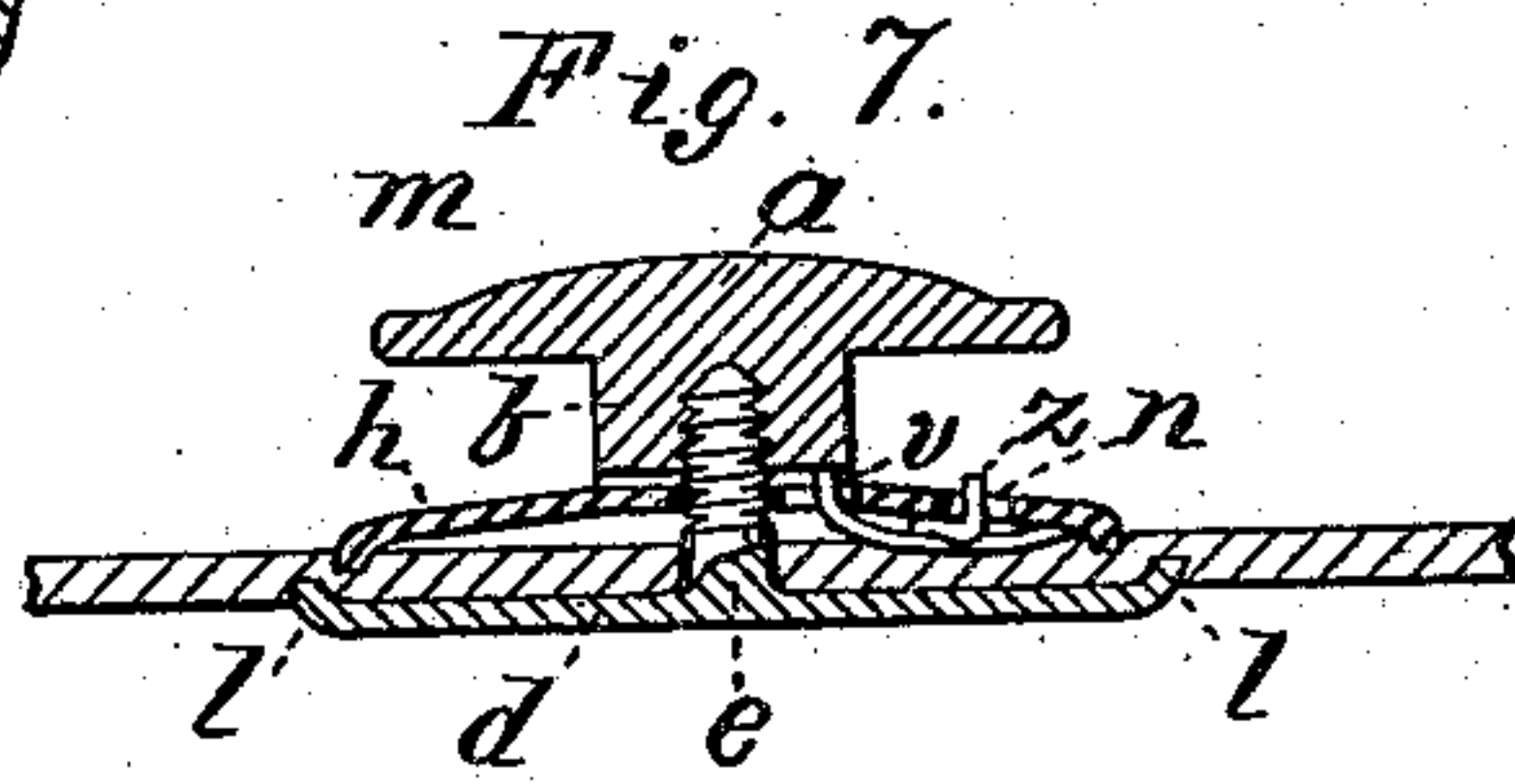
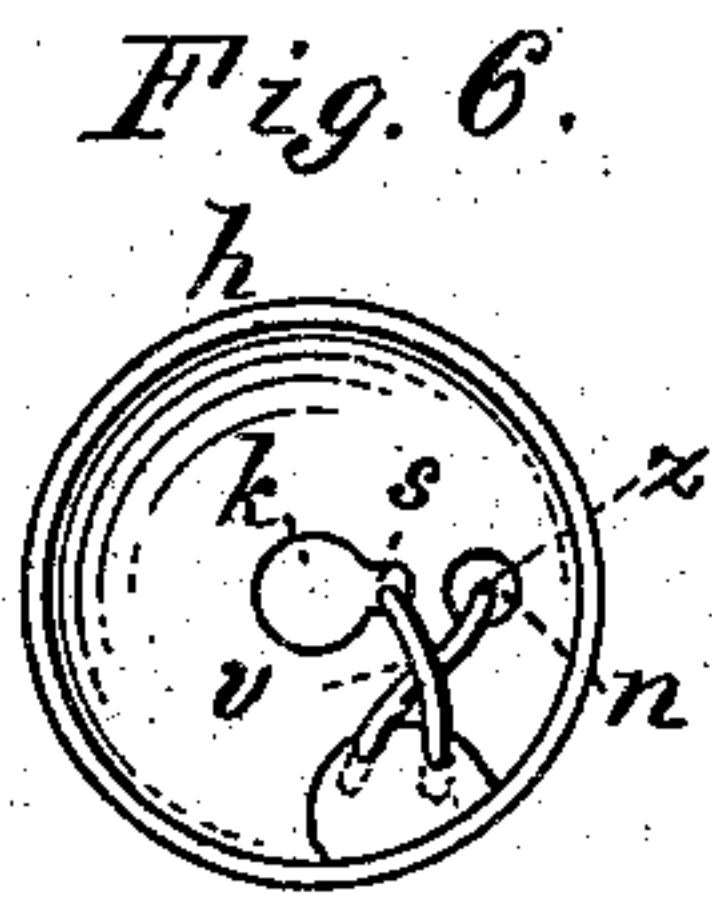
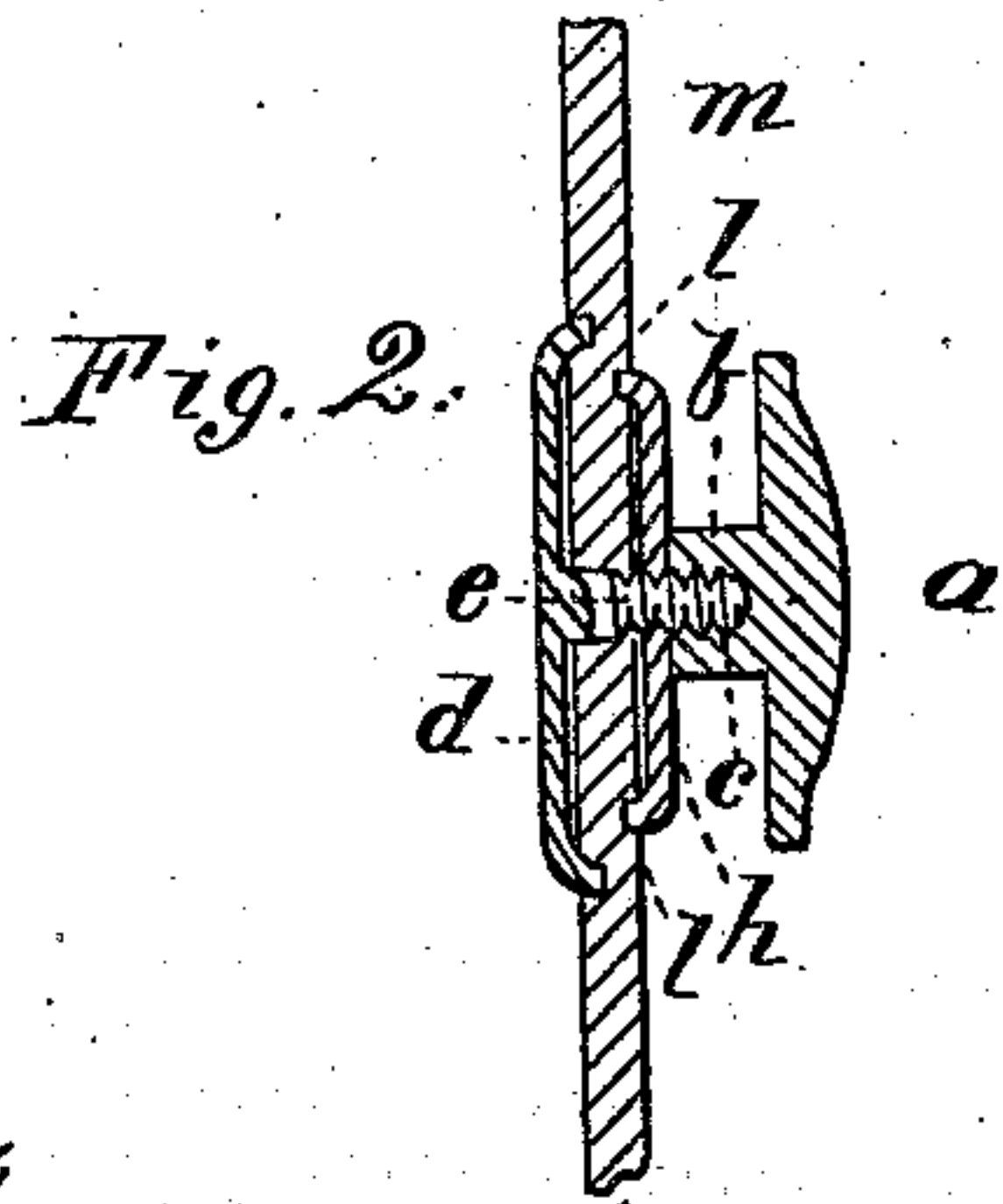
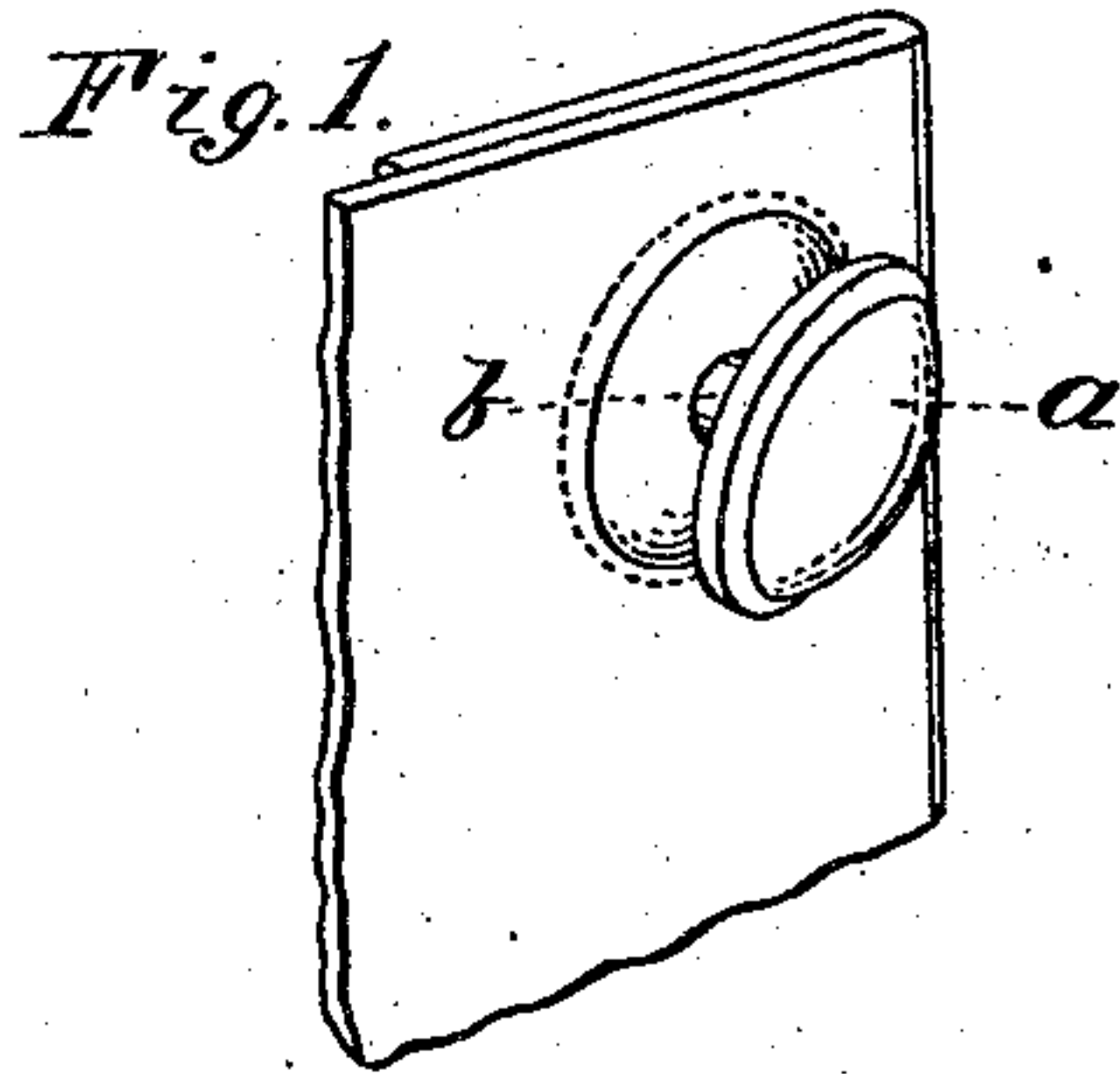


(No Model.)

W. H. MATTHEWS.
BUTTON.

No. 295,032.

Patented Mar. 11, 1884.



WITNESSES

Villette Anderson.
Theo. Mungen.

INVENTOR

William H. Matthews,
Anderson and Smith
his ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM H. MATTHEWS, OF LIVINGSTON, TEXAS.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 295,032, dated March 11, 1884.

Application filed November 17, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. MATTHEWS, a citizen of the United States, resident at Livingston, in the county of Polk and State of Texas, have invented certain new and useful Improvements in Buttons; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of a perspective view of the button attached to a section of material. Fig. 2 is a transverse sectional view of the same. Figs. 3, 4, and 5 are detail views of the disks, serrations, axial openings, and screws. Fig. 6 is a detail view of the disk, showing the spring-pawl; and Fig. 7 is a transverse sectional view of the button attached to the material, and showing the spring-pawl.

This invention has relation to buttons; and it consists in the construction and novel arrangement of devices whereby the button is attached to the material, all as hereinafter set forth, and particularly pointed out in the appended claim.

In the accompanying drawings, the letter *a* designates the head of a button, having a shank, *b*, which is formed with a threaded axial recess, *c*, to receive the screw *e* of the base-disk *d*. The end of the shank *b* is formed with ratchet-serrations or radial corrugations, as indicated at *g*.

h represents a washer or clamp-disk, which has a central opening, *k*, through which passes the screw *e* of the base-disk. The inner surfaces of the clamp-disks *h* and *d* are made somewhat concave, their marginal edges being

turned toward each other, as indicated at *l*, to grip the cloth, on opposite sides of which they are placed, as indicated at *m*. Sometimes the central portion of the outer surface of the disk *h* is formed with radial ratchet serrations or corrugations, to engage the serrations *g* of the end of the shank *b* when the latter is screwed up against said disk. In this position the elasticity of the material pressed between the disks will cause the serrations of the outer disk to engage those of the shank *b* with sufficient firmness to prevent the button-head from turning backward off the screw *e*. Usually, however, the loose disk *h* is provided with a spring-pawl, *v*, which extends through an opening, *s*, in said disk to engage the ratchet-serrations of the end of the shank *b*. In order to release the shank when it is desired to remove the button, the pawl is provided with an arm, *z*, which extends through a perforation, *n*, made in the disk at a point farther from its center than the opening *s*. When this arm *z* is pressed upon, it depresses the pawl *v* sufficiently to allow the button-head to be unscrewed.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

In a detachable button, the combination, with the hollow threaded shank of the button-head, having end serrations, *g*, and the base-disk *d*, having a central screw, of the loose clamp-disk *h*, applied on the screw, and having a spring-pawl or projection to engage the serrations of the shank, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

WM. H. MATTHEWS.

Witnesses:

T. L. FREEMAN,
W. D. WILLIS.