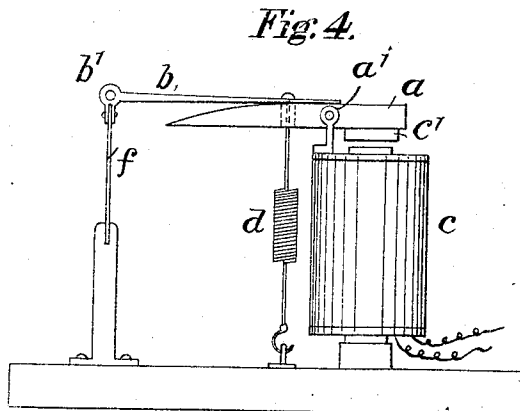
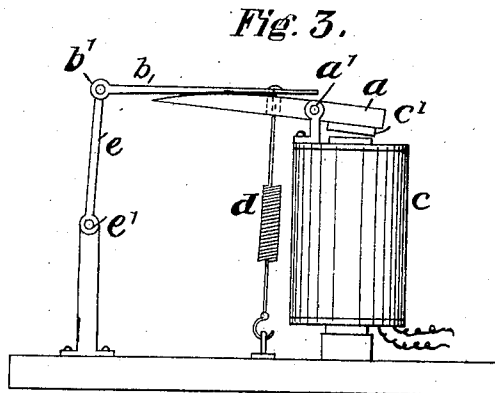
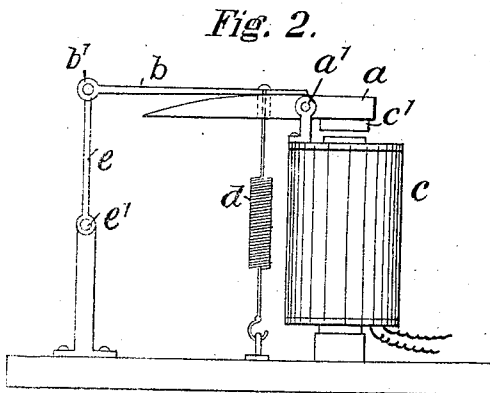
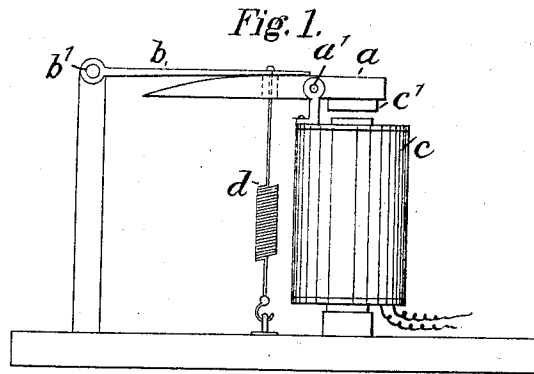


(No Model.)

S. D. FIELD.
ELECTROMAGNETIC MECHANISM.

No. 552,172.

Patented Dec. 31, 1895.



Attest.
Revo Lewis.
W. R. Edlson.

Inventor.
Stephen D. Field
by *Jos. D. Mans*
his attorney,

b is not pivoted, but is supported by a yielding strap or spring *f*.

In either of these improved forms the lever *b* is free to move longitudinally, whereby the sliding of the levers on each other is avoided and the consequent friction is eliminated. The friction is then only that of the curved surface of lever *a* rolling upon lever *b*. The device is thus rendered more sensitive and becomes capable of responding to feeble forces.

I claim as my invention—

1. In a system of compensating levers, a pair of levers arranged substantially parallel and having abutting faces, one of said faces being curved, and a support for one of the levers adapted to permit longitudinal movement thereof, as described.

2. The combination with a pair of compensating levers arranged substantially parallel and having abutting faces, one of said faces

being curved, of a spring or yielding strap forming the support of one of the levers to permit longitudinal movement of the lever, as described.

3. The combination with an electro-magnet and its armature, of a pair of compensating levers, whereby a constantly increasing resistance is opposed to the attraction of the magnet upon its armature, one of said levers being mounted upon a support permitting longitudinal movement of said lever, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 24th day of July, 1895.

STEPHEN D. FIELD.

Witnesses:

FRANK R. MCBERTY,
FRANK C. LOCKWOOD.