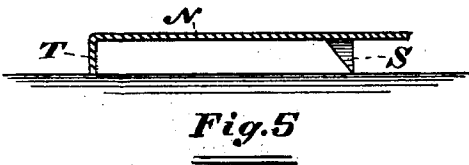
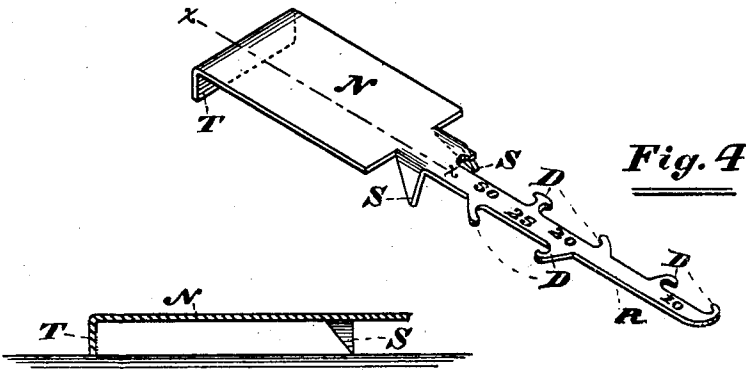
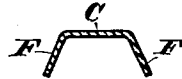
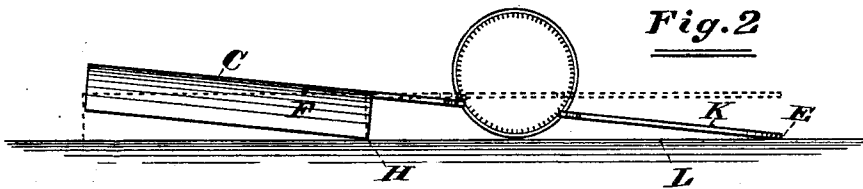
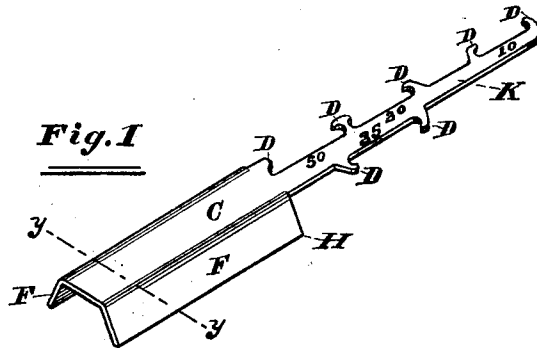


J. A. THOMPSON.
COUNTERFEIT COIN DETECTOR.

No. 189,284.

Patented April 3, 1877.



Attest
W. J. Baker
Francis J. Colby

INVENTOR
John A. Thompson

UNITED STATES PATENT OFFICE

JOHN A. THOMPSON, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN COUNTERFEIT-COIN DETECTERS.

Specification forming part of Letters Patent No. **189,284**, dated April 3, 1877; application filed February 23, 1877.

To all whom it may concern:

Be it known that I, JOHN A. THOMPSON, of the city of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Counterfeit-Coin Detectors, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my invention; Fig. 2, a side view of my invention when testing a genuine coin. Fig. 3 is a sectional view on the line *y y*, Fig. 1.

This instrument can be struck out completed (except bending the flanges *F*) by one stroke of a die.

The object of the invention is the detection of counterfeit coin. Counterfeit coin are usually lighter than genuine, and on this fact the invention is based.

F are flanges, on which the instrument rests. These flanges *F* are bent from the bar or plate *C* at an angle of from seventy to eighty degrees, as being a suitable angle, but may be at a greater or less angle. The part *K* of the plate *C K* that projects beyond the flanges *F* is supplied with ears or lugs *D*, arranged in pairs. Each pair is so constructed as to clasp a coin of the denomination designed for it.

The space designed for a United States coin

of a given denomination is suitably indicated on the bar *K*.

The beam or bar *C K* is balanced, so as to rest on the flanges *F*, as shown in Fig. 1. When a genuine United States silver coin is placed in its proper receptacle the bar *C K* will be tipped down, as shown in Fig. 2, till the point *E* rests on the table or support *L*, the bar *C K* turning on the point *H* of the flanges *F*.

If a genuine coin of a given denomination is placed in the receptacle corresponding to such denomination the bar *K* will be tipped, as shown in Fig. 2.

If a counterfeit coin of the proper denomination is placed in either receptacle the instrument remains resting on the flanges *F*, as shown in Fig. 1.

What I claim as new, and wish to secure by Letters Patent, is—

In a counterfeit-coin detector, the bar *C K*, provided with the flanges *F*, and lugs *D D*, substantially as shown and described, and for the purpose set forth.

JOHN A. THOMPSON.

Witnesses:

HENRY C. STRONG,
F. J. SEYBOLD.