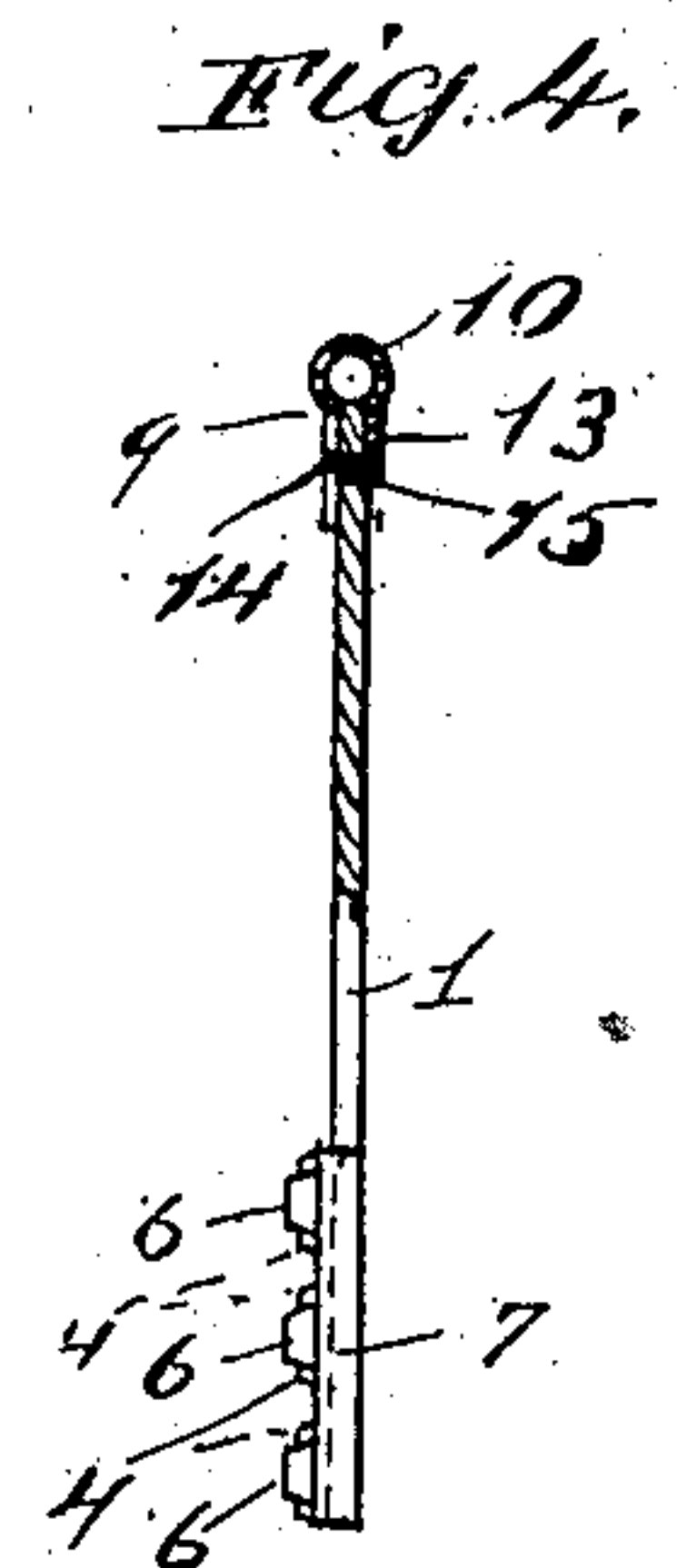
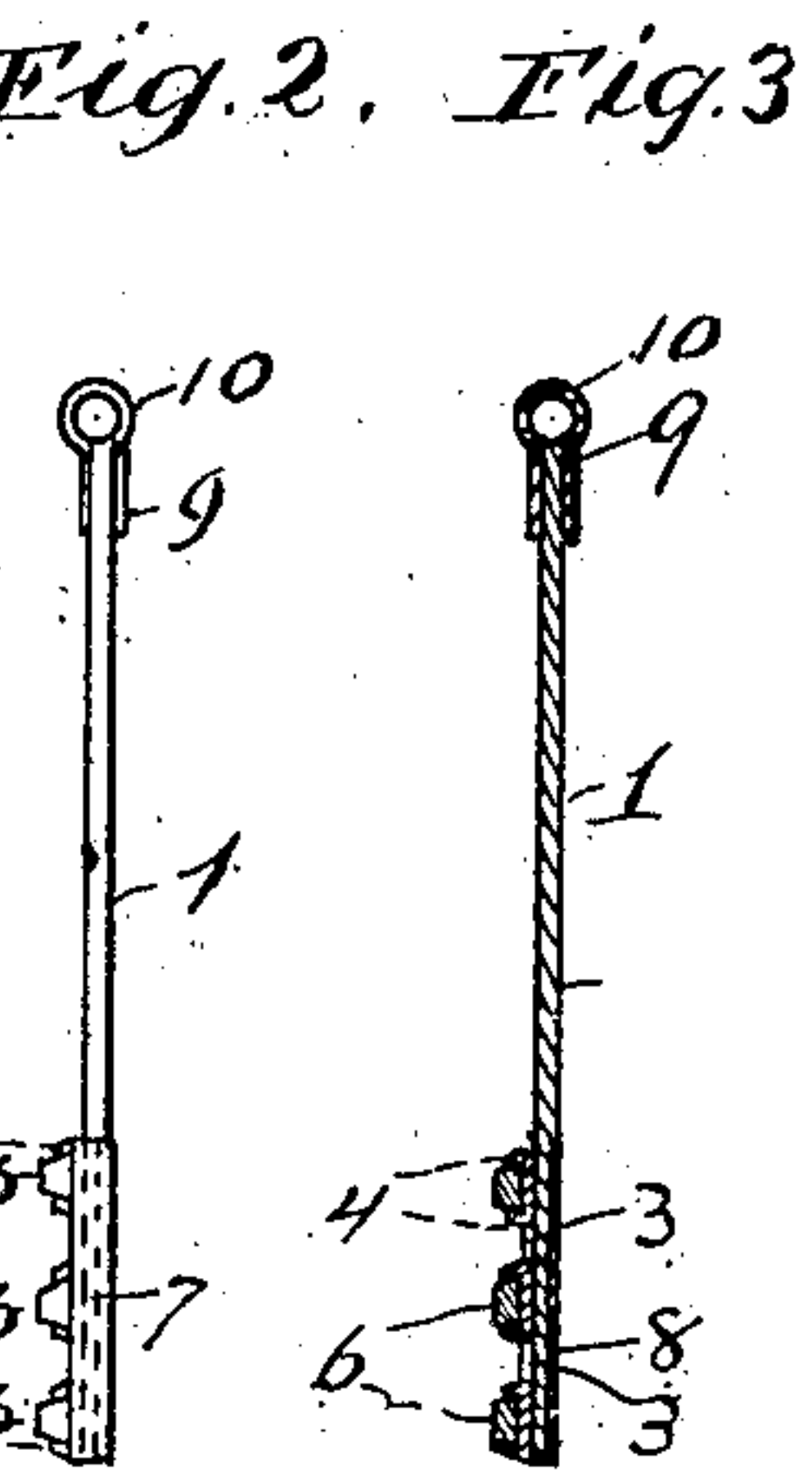
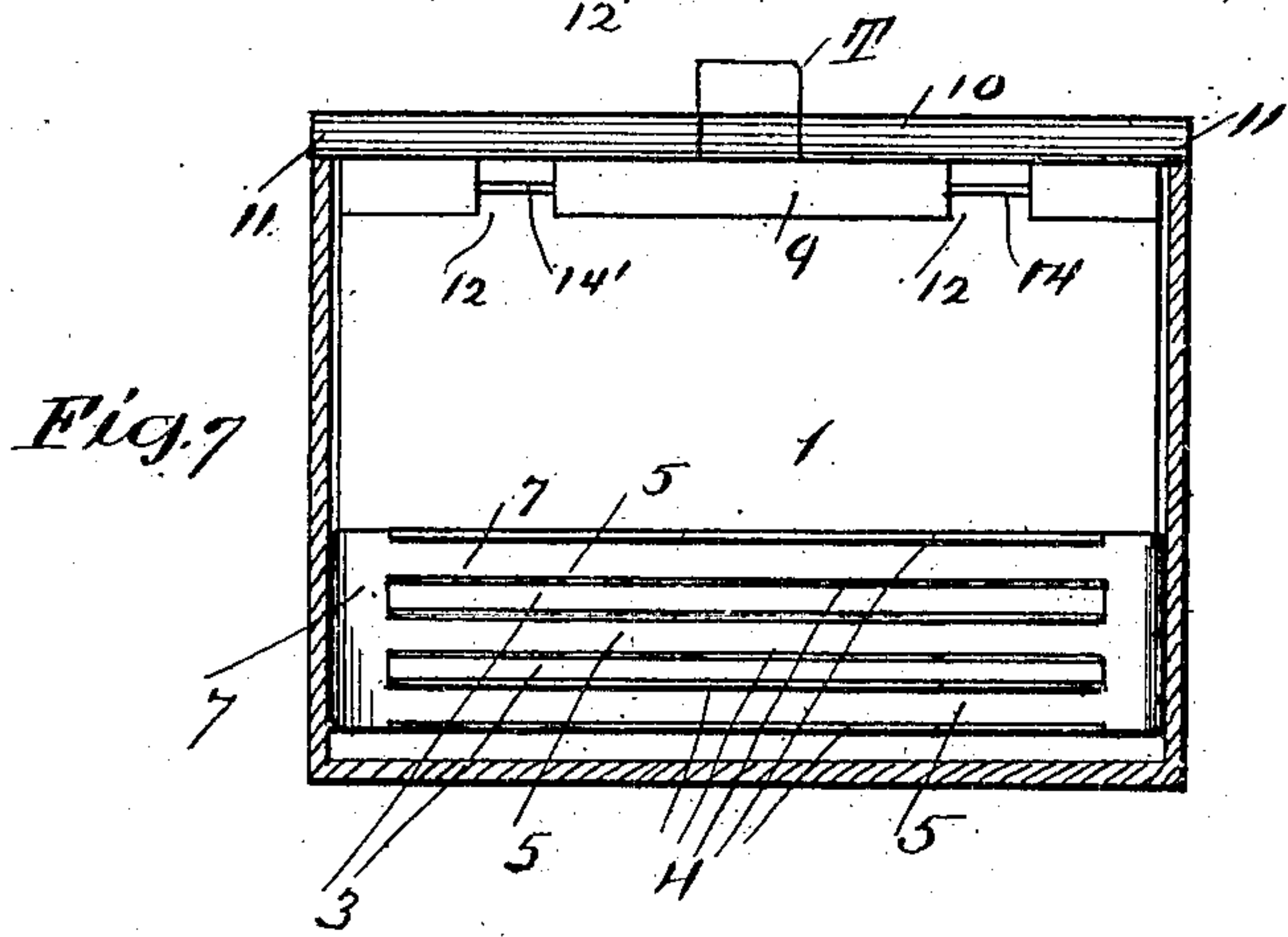
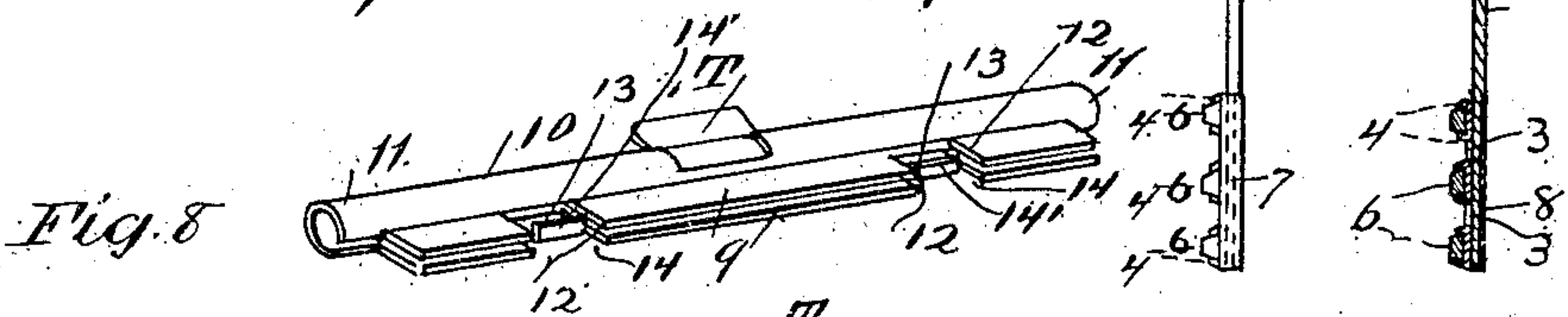
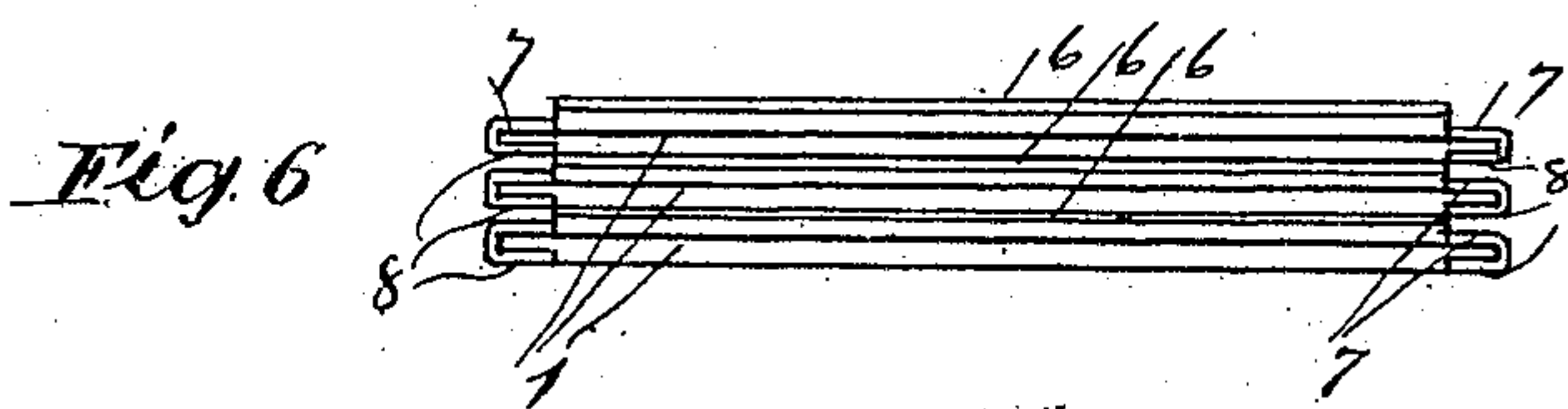
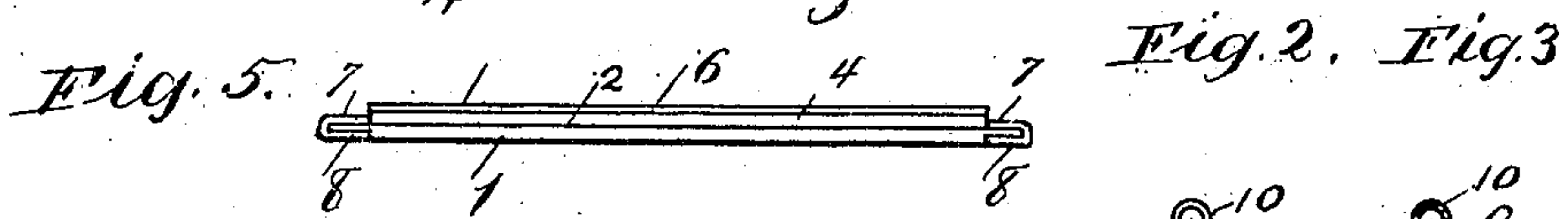
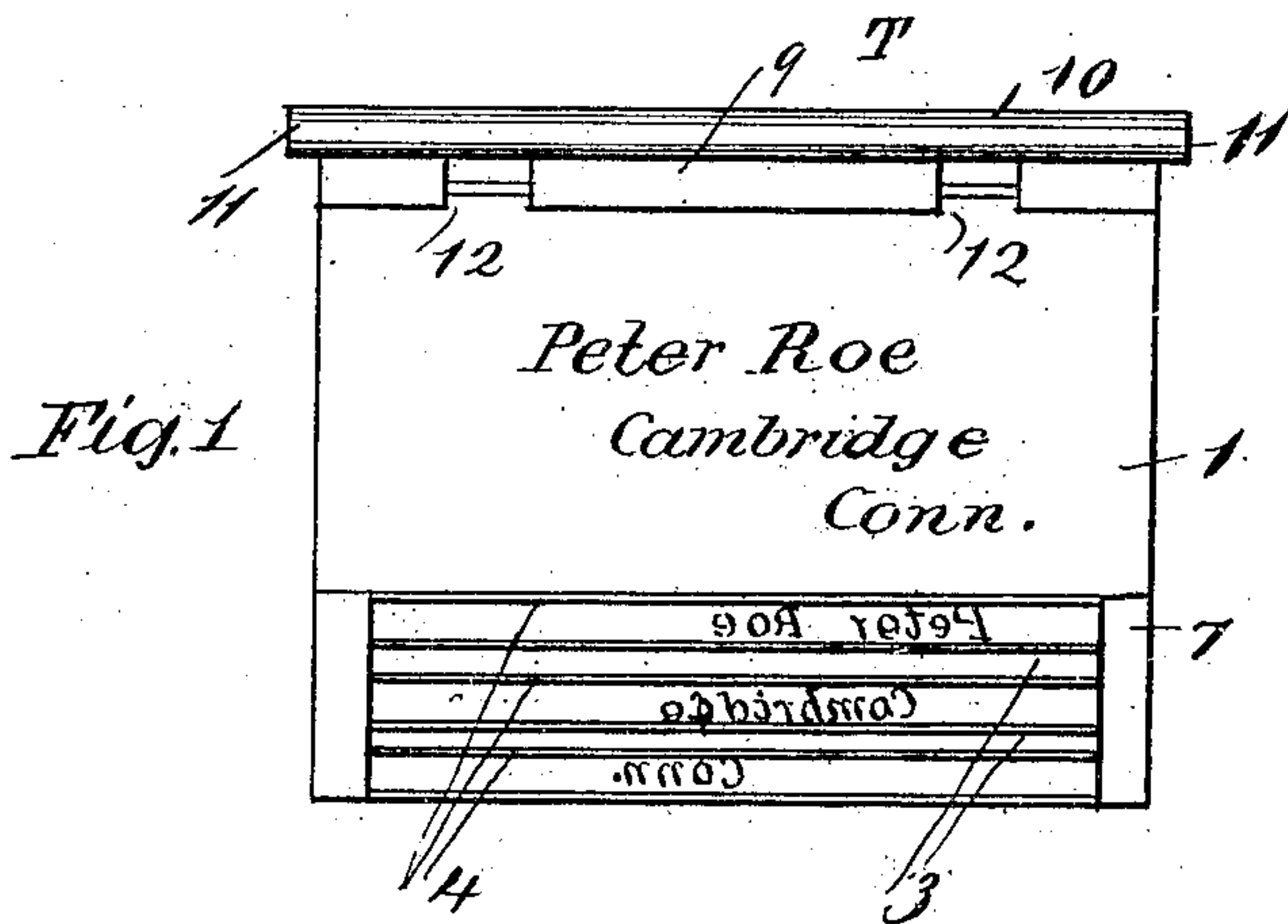


No. 871,581.

PATENTED NOV. 19, 1907.

E. H. FREY.
PRINTING CARD.
APPLICATION FILED JUNE 10, 1907.



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PRINTING-CARD.

No. 871,581.

Specification of Letters Patent.

Patented Nov. 19, 1907.

Application filed June 10, 1907. Serial No. 378,128.

To all whom it may concern:

Be it known that I, ERNEST H. FREY, a citizen of the United States, and resident of Cleveland, county of Cuyahoga, State of Ohio, have invented certain new and useful Improvements in Printing Cards, of which I hereby declare the following to be a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same.

The objects of the invention are to provide a combined card index and printing plate suitable for use in the improved addressing machine, for which I have previously filed an application for Letters Patent of the United States bearing Ser. No. 378,127 and date of filing of June 10, 1907, and for any other printing machine in which detachable printing plates are employed.

The leading feature of this invention is to provide an index card with a printing plate attached thereto and a further feature of the invention is to provide a card with a reinforcing edge opposite the printing plate, and to supply this edge with lateral extensions which are employed for supporting the card in a vertical position upon the walls of the receiving case into which the cards are received after use.

A further feature of the invention is found in a projecting index tab or projection from the card or its metal reinforcing edge.

A further object is to provide a printing card of such material that no metal surface will come into contact with the printing or type surfaces, when the cards are horizontally piled upon each other so as to fill the card receptacle which is attached to my improved addressing machine referred to above, but it is designed to be possessed of sufficient rigidity to maintain its shape while being handled and fed to the different portions of the machine.

The invention further consists in the means for attaching the metal printing plate, and a holder therefor attached to the card and also in the means for attaching the metal reinforcing rim to the card, and in the combination and arrangement of parts as hereinafter described, shown in the accompanying drawings and specifically pointed out in the claims.

In the accompanying drawings, Figure 1

is a plan view of the card showing a printing plate holder and printing plate attached thereto and a metal rim having laterally extended edges; Fig. 2 is a side elevation thereof; Fig. 3 is a longitudinal central section thereof; Fig. 4 is a longitudinal section through one of the inwardly turned edges of the metal edge and Fig. 5 is a side elevation showing the manner of attaching the plate holder to the card; Fig. 6 shows three plates one superimposed upon the other in the stacked position, one lying on the other. Fig. 7 is a transverse section of a receptacle for storing cards showing the manner in which they rest upon their extended edges upon the walls of the receptacle; Fig. 8 is a perspective view of the tubular metal strip which is employed to raise the corresponding edge of the card to the level of the printing surface, and also shows the lateral extensions upon which the card is hung.

In these views 1 is the card formed of card board celluloid or other substantially stiff but not hard substance and not capable of injuring the surfaces of the printing plate or plates when the cards are piled vertically upon one another. Upon one side of the card and at the bottom thereof is placed the printing plate holder 2 which is formed of sheet metal having longitudinal slits 3 therein, the edges 4 of which are turned upward at a slight angle to provide dove tail slots 5 in which the dove tailed printing plate or plates 6 can readily be inserted. The slits 3 are made in the holder 2 but do not extend entirely to the ends of the holder but an uncut portion 7 is left at each end which is partially turned over the edge of the card at 8 and tightly pressed against the under side thereof. The card itself is preferably depressed to receive the turned over metal edges so that the under surfaces of the card and holder may be flush and smooth.

In Fig. 6 the printing surface of the printing plate of each stacked lower card is shown in contact with the paper body of the card above, but out of contact with the metal holder thereon, and the surface of any one of the metal printing plates engages only a paper card surface. This result is due to the specific form of card and holder, since the metal printing surface can not make contact with the metal turned over edges of

the metal holder without injury and hence must engage the card surface between the metal edges.

As many printing plates can be employed and pairs of raised edges upon the holders inclosing them, as there are lines of type contained in the address or other subject matter of the card and the printed matter on the card will correspond therewith and is preferably directly impressed from said printing plate.

The detail construction of the inner reinforced edge of the card is preferably as shown in the figures where 9 is a thin strip of metal folded centrally to engage the edge of the card at 10 and having its extremities formed preferably into tubular shape at 11 to extend beyond the card on either side. The entire metal strip is also preferably tubular which serves to increase its strength and to give it added thickness, so as to raise it to the level of the printing surface, of the printing plate, so that when the cards are stacked horizontally upon each other as shown in Fig. 6 they will lie flat. The printing surface will not come into contact with the metal of the card above since the surface is narrower than the card. These serve to support the card as shown in Fig. 7 in a vertical position. Portions of the metal strip are preferably cut away on the inner side at 12 and sections 13 on the back of the metal rim detached on two sides are bent sharply inward at their edges at 14 and enter slits 15 in the card thus securing the reinforcing edge tightly thereto. At T is shown an index tag which is formed of an integral portion of the metal strip 9.

I believe myself to be the first to support the printing plate and its holder directly upon a card and to reinforce the opposite edge of the card to give it equal thickness so that the cards will be flat upon each other in the receptacle. I also believe myself to be the first to provide the card with extended edges above its center of gravity, so that it can be supported thereon upon the side walls of a receiving case. This has several advantages and among them the fact that the cards are easily moved along the case, and constantly remain vertical without leaning against each other.

Having described the invention what I claim as new and desire to secure by Letters Patent is:—

1. A printed card, and a metal holder and printing plate mounted thereon, said holder being secured to the card and the printing plate detachably secured to the holder.

2. A printed card, and a metal holder secured thereto at one side and a printing plate detachably secured to said holder.

3. In combination, a printed card having a printing space, a metal holder mounted on

said card in said printing space and a printing plate mounted upon said holder.

4. A printed card having a printing space, a plate holder secured to one side thereof at one edge, a printing plate detachably secured to said holder and raised upon the face of the card, and a metal strip secured to the opposite edge of the card, said strip raising said edge to the level of the printing surface of said printing plate.

5. In a card index, the combination with the printed card, of a metal holder secured to one side thereof, at one edge, a printing plate mounted in said holder and raised above the face of the card, and a metal strip secured to the opposite edge of the card, said metal strip being raised to correspond to the exact height of the printing plate above the card.

6. In a card index, the combination with the printed card, of a sheet metal plate holder, mounted thereon, a printing plate detachably mounted upon the holder, said holder and plate being located at one end of said card, and a metal strip bent into a rigid form, said strip slitted transversely to form retaining portions for attaching the same to the opposite end of the card, one of said portions being turned inwardly and said card having a slit adapted to receive said inwardly turned portion.

7. In combination with an index card, and a raised printing plate upon one side thereof, a metal strip upon the opposite edge, said strip provided with extended portions beyond the edges of the said card, and provided with integral slitted portions adapted to engage said card and to retain said strip thereon, said metal strip being raised to the level of the said printing plate above the side of the card.

8. In a combined card and printing plate, the combination with the card, of a plate holder and plate secured to one side of the card and a sheet metal reinforcing strip secured to the opposite side thereof, said reinforcing strip being raised to the level of said plate, and an integral portion of said sheet metal strip extending outward therefrom to serve as an index tag thereon, substantially as described.

9. In a combined card and printing plate, the combination with the card, and a plate holder and plate secured thereto at one side thereof, of a reinforcing sheet metal edge at the other side raised to the same level as the printing plate, the said sheet metal rim having an integral portion bent transversely through said card, said card having a slit adapted to receive the same and the outer ends of said reinforcing strip extending beyond said card at either side, substantially as described.

10. A printed card, and a printing plate

and holder mounted thereon, the said holder having its edges bent inwardly over the edges of the card.

11. A printed card and a printing plate
5 and holder mounted thereon, the said holder and plate occupying the lower end of said printed card.

12. A printed card and a printing plate

and holder supported by said card and occupying one end thereof.

In testimony whereof I hereunto set my hand this 7th day of June 1907.

ERNEST H. FREY.

In presence of—

WM. M. MONROE.

GEO. S. COLE.