

(No Model.)

2 Sheets—Sheet 1.

T. J. DUGGAN.
ATTACHING CARDS TO CARS, &c.

No. 558,365.

Patented Apr. 14, 1896.

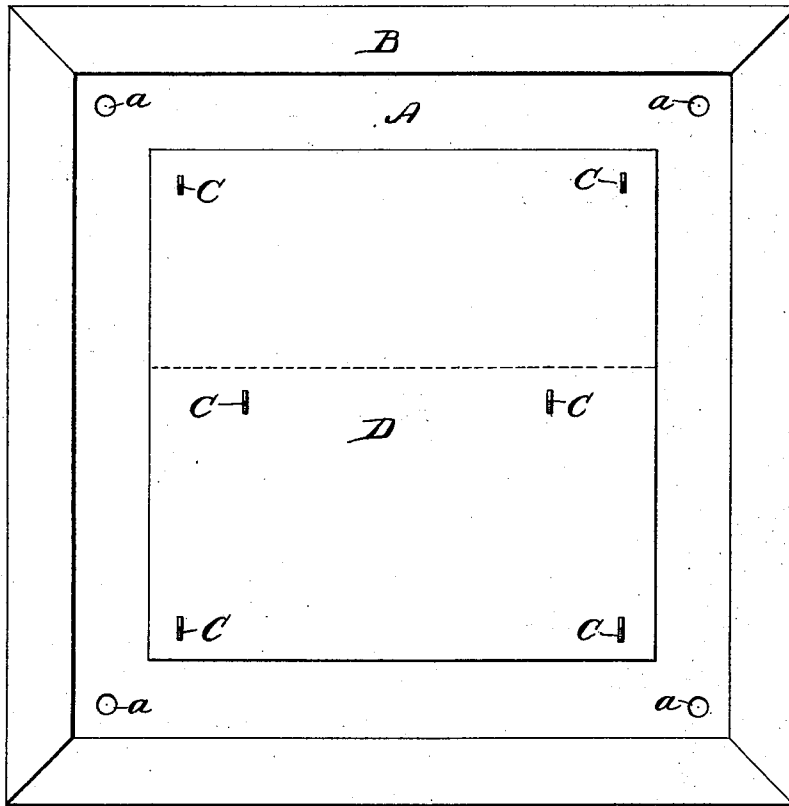


Fig. 1.

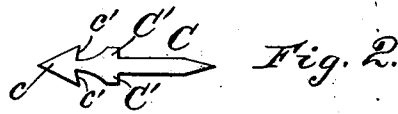


Fig. 2.

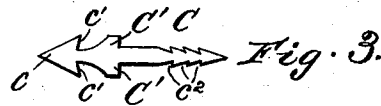


Fig. 3.

WITNESSES,
E. W. Hunt
underwood.

INVENTOR,
Thomas J. Duggan,
By John E. Miles.
ATTORNEY.

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2 Sheets—Sheet 2.

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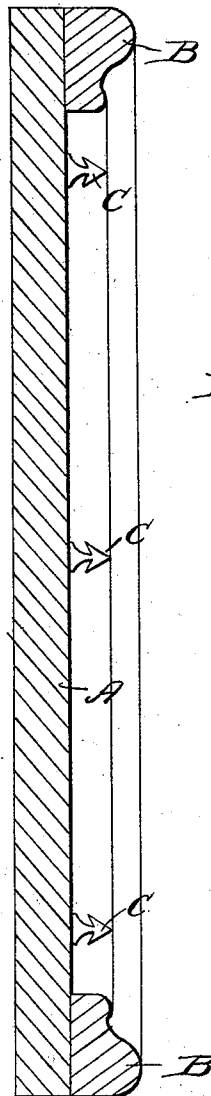


Fig. 4.

WITNESSES

a. J. Cohen
E. P. Hartz

INVENTOR,

Thomas J. Duggan
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ATTORNEY.

UNITED STATES PATENT OFFICE.

THOMAS J. DUGGAN, OF MILWAUKEE, WISCONSIN.

ATTACHING CARDS TO CARS, &c.

SPECIFICATION forming part of Letters Patent No. 558,365, dated April 14, 1896.

Application filed January 23, 1895. Serial No. 535,861. (No model.)

To all whom it may concern:

Be it known that I, THOMAS J. DUGGAN, a citizen of the United States, residing at Milwaukee, county of Milwaukee, State of Wisconsin, have invented a certain new and useful Improvement in Attaching Cards to Cars, &c.; and I 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 pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to new and useful improvements in devices for attaching cards to cars; and it consists in the matters hereinafter described, and pointed out in the appended claim.

In the accompanying drawings, illustrating my invention, Figure 1 is a front elevation of my improved device. Fig. 2 is a detail view of one of the attaching-pins. Fig. 3 is a similar view of a somewhat different form of attaching-pin. Fig. 4 is a vertical sectional view of my improved device ready for attachment to the side of a car-body.

Referring by letter to the drawings, A designates a suitable board or base which may be of any desired or convenient shape and size to adapt it for holding cards of a desired form and size, and said board or base is conveniently provided with a marginal frame B, as shown, and is provided with suitable apertures *aa* for the insertion of screws or nails to secure it to the side of a car.

At any suitable points upon the outer or exposed surface of the board or base A are provided suitable retaining-pins C C, which may be of any desired construction for engagement with the cards. As shown in Figs. 2 and 3, I prefer to construct these retaining-pins with pointed outer ends or heads *c*, adapted to pierce the cards, and with barbs *c' c'* in rear of said pointed ends or heads for engagement with the faces of the cards. Laterally-projecting shoulders C' C' are formed upon the sides of the shanks of the pins C C, as shown in Figs. 2 and 3, these shoulders being arranged to come into contact with the surface

of the board A when the pins have been driven to a sufficient depth into the wood.

The shanks of the pins are suitably pointed to enable them to be readily inserted in the wood, and, if desired, may be provided with barbs *c² c²* to afford a more firm hold upon the wood.

In practice the base or board A is secured to the side of a car and any desired number of the attaching-pins C are inserted in the front or outer face of said board, the shanks of said pins being pressed into the wood until the shoulders C' C' come against the face of the board A. This leaves the pointed heads *cc* projecting to a considerable extent beyond the face of the board A.

In attaching cards to cars a card D is simply pressed against the pointed outer ends of the pins C C until said pointed ends pierce the card, and the card is then pressed toward the face of the board A, so as to cause the barbed heads *cc* of the pins to pass entirely through the card. In this condition the card will be securely held to the board A by the barbed heads of the pins C C.

The arrangement of the pins C C upon the surface of the board A may be made such as to enable cards of various sizes and shapes to be secured thereto, as indicated by the full and the dotted lines in Fig. 1.

When it is desired to remove the card said card may be readily torn off from the barbed ends of the pins, thus freeing the pins for engagement with new cards.

By the use of my improved device cards may be attached to cars or other objects without in any way defacing or injuring the side of the car, as is common where the cards are secured directly to the sides of the car by means of tacks or nails.

The frame B around the sides of the board A projects somewhat beyond the face of said board and affords protection to the projecting points of the pins C, and also serves to prevent the cards from being accidentally rubbed off or displaced.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

The herein-described device for securing cards to cars comprising a suitable board or base, a plurality of pins inserted in said board or base and provided with projecting barbed
5 ends or heads, and a marginal protecting or guard flange or frame around the outside of said board or base, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

THOMAS J. DUGGAN.

Witnesses:

JOHN E. WILES,
E. W. STOUT.