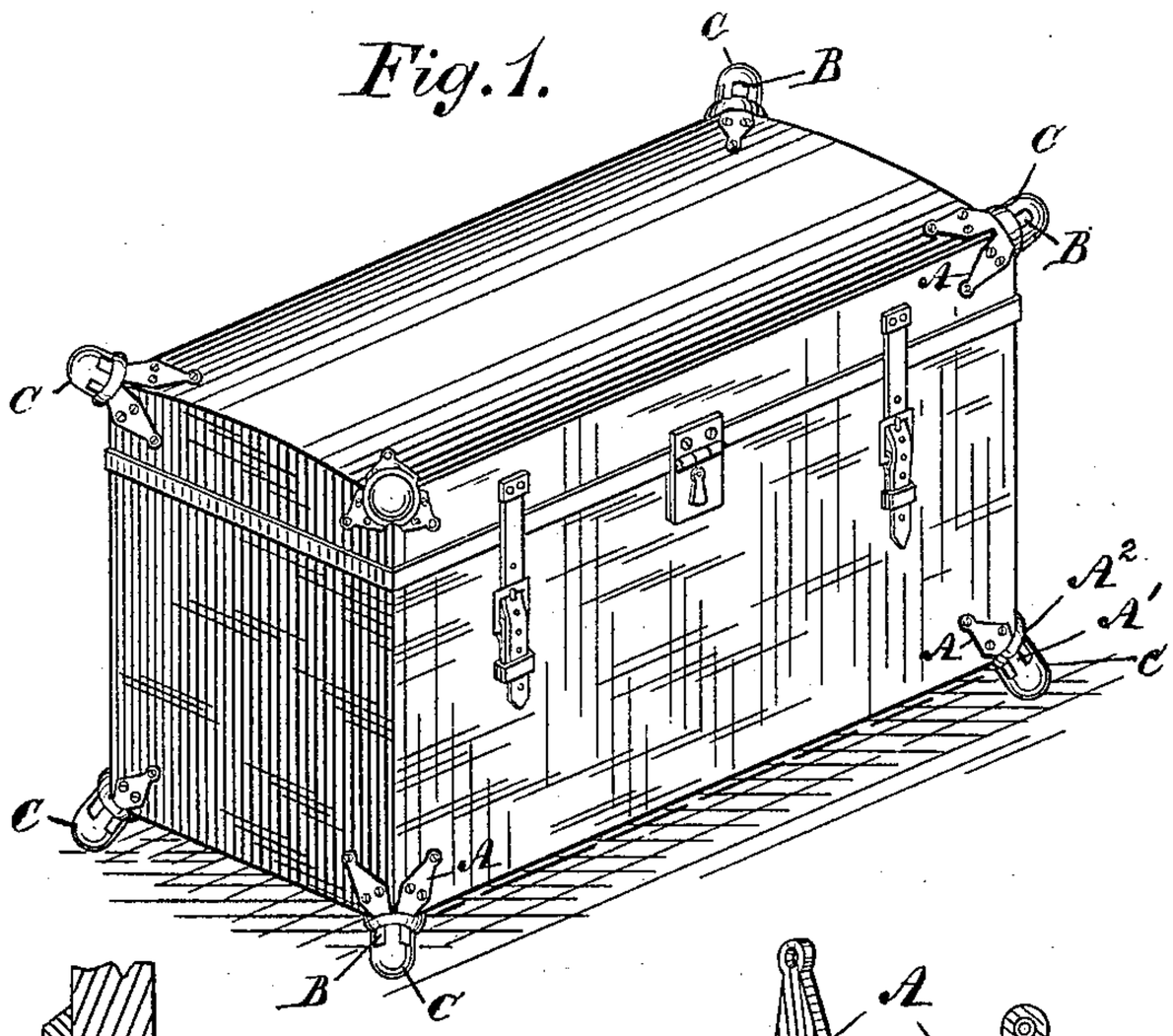
(No Model.)

S. S. ARNOLD.

CORNER PROTECTOR FOR TRUNKS.

No. 420,759. Patented Feb. 4, 1890.

Fig. 1.



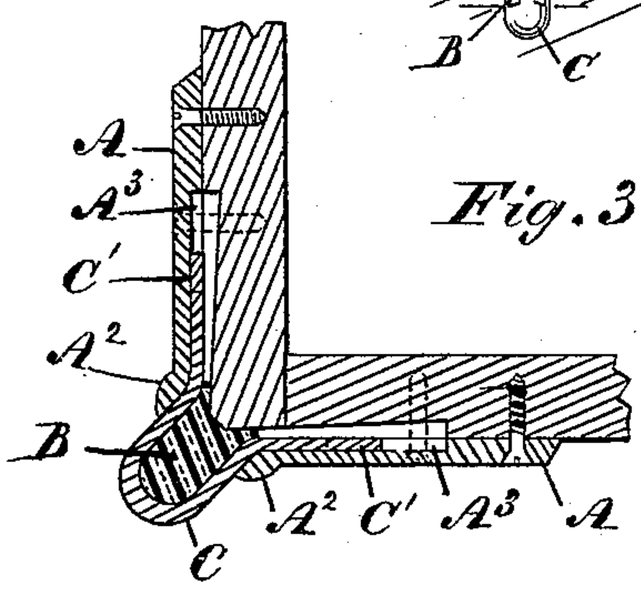


Fig. 3.

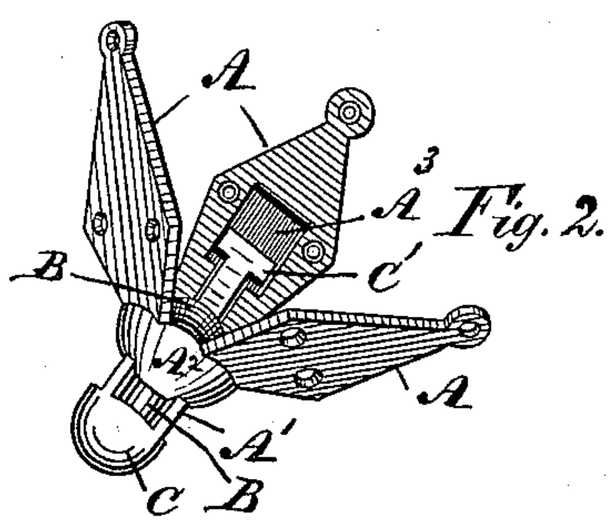


Fig. 2.

Witnesses:
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Wm L Magee

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UNITED STATES PATENT OFFICE.

SAMUEL S. ARNOLD, OF TORONTO, ONTARIO, CANADA, ASSIGNOR OF TWO-THIRDS TO DAVID F. MACMILLAN AND ORVILLE MONTROSE ARNOLD, BOTH OF SAME PLACE.

CORNER-PROTECTOR FOR TRUNKS.

SPECIFICATION forming part of Letters Patent No. 420,759, dated February 4, 1890.

Application filed May 25, 1889. Serial No. 312,165. (No model.) Patented in Canada April 12, 1889, No. 31,118.

To all whom it may concern:

Be it known that I, SAMUEL S. ARNOLD, of the city of Toronto, in the Province of Ontario, in the Dominion of Canada, have invented certain new and useful Improvements in Corner-Protectors for Trunks, (for which I and my assignees have jointly received a patent of the Dominion of Canada, No. 31,118, dated April 12, 1889;) and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of a trunk provided with my improved corner-protector. Fig. 2 is a section through one of the corners of the same, and Fig. 3 is a perspective view of my improved corner-protector detached.

My invention has for its object to lessen the force of impact with the ground of a trunk in falling, and thereby remove liability of breakage.

My invention consists of a buffer attachment to be secured to the outside corners of a trunk, said attachment comprising a pyramidical frame to fit the outside corner of a trunk, said frame at the convergent end having an aperture or opening surrounded by a re-enforcing swell or collar, a rubber spring inserted through said opening, and a semi-spherical cap to cover the outer end of the spring and having arms sliding in recesses on the inside of the corner-frame, whereby said arms prevent the cap dropping away from the frame, and the spring and cap yield to the force of impact, as hereinafter set forth.

A is the corner-frame, having divergent sides and at the convergent end an opening A′, and around the outside of said opening a swell A^2 to strengthen the integral connection of the sides at the convergent end, and said sides have on the inside a T-shaped recess A^3.

B is a rubber spring which fits endwise through the opening A′, so that one end of the spring will bear against the corner of the trunk and the opposite end will project from the convergent end of frame A and be exposed to pressure endwise from the outside, and the corner of the trunk will offer resistance.

C is a semi-spherical hollow cap fitting over the projecting end of said rubber spring, and said cap has T-shaped arms C′, which are inserted into the opening A′ and bent outwardly into the T-shaped recesses on the inside of frame A, so that the arms will have free endwise movement to allow the cap and spring to yield to the force of impact when the trunk strikes the ground, and when the pressure is removed the expansion of the spring by elongation forces the cap outwardly and the T-shaped arms will prevent separation of the cap from the frame and thereby retain the spring from displacement.

I claim as my invention—

A corner-protector for attachment to trunks, comprising a pyramidical frame A, having an opening A′ at the convergent end and recesses A^3 on the inside, the rubber spring B, fitting into said opening A′ and having the inner end exposed to the trunk, and the cap C, having arms C′ fitting into recesses A^3 and covering the outwardly-exposed end of the spring, whereby the cap and spring will yield to the force of impact and be again reacted by elongation of the spring, as set forth.

SAMUEL S. ARNOLD.

Witnesses:
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