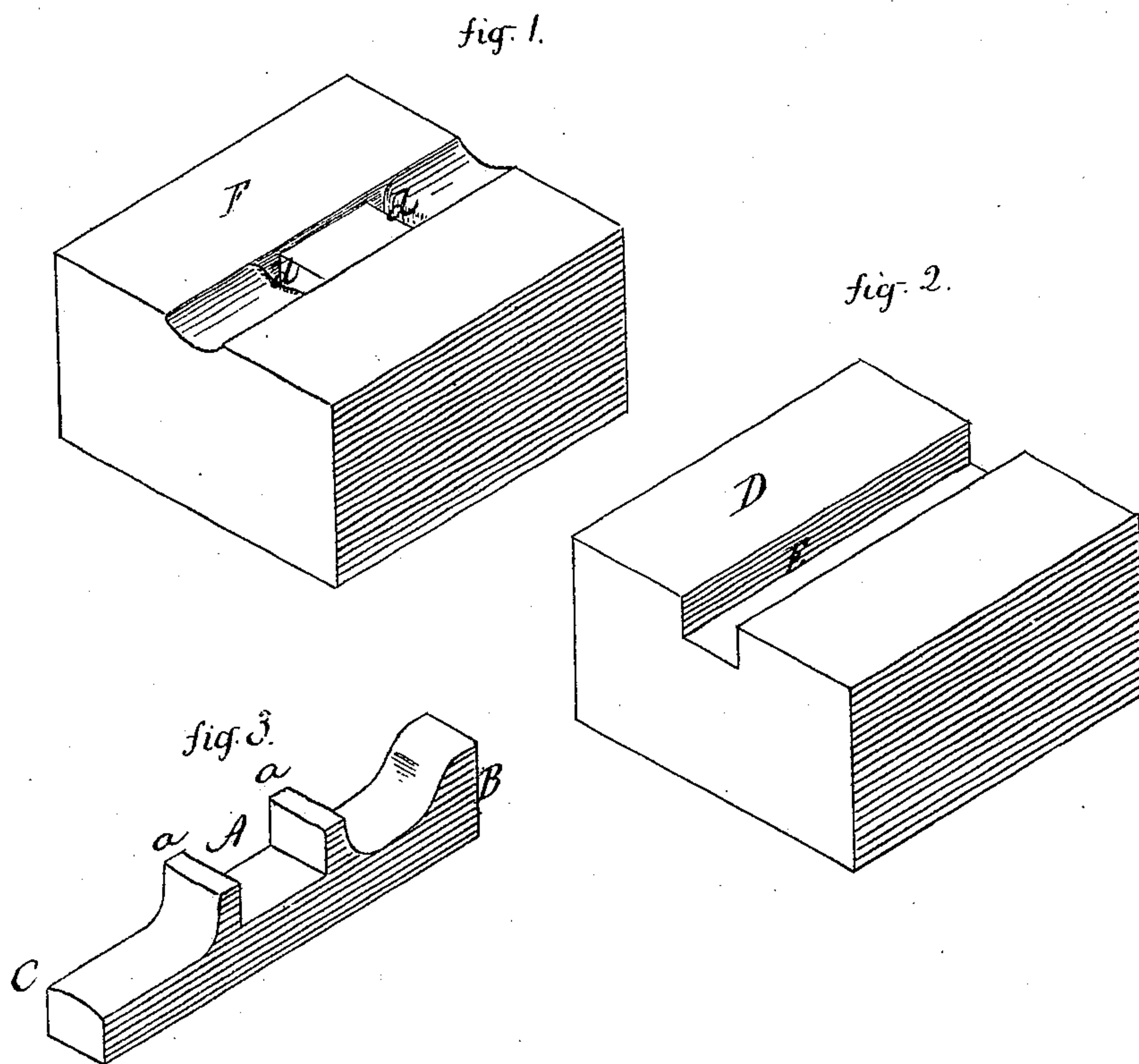


D. WILCOX.

Improvement in Dies for Making Fifth-Wheels of Carriages.

No. 132,705.

Patented Oct. 29, 1872.



Witnesses

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UNITED STATES PATENT OFFICE.

DARIUS WILCOX, OF BIRMINGHAM, CONNECTICUT.

IMPROVEMENT IN DIES FOR MAKING FIFTH-WHEELS OF CARRIAGES.

Specification forming part of Letters Patent No. 132,705, dated October 29, 1872.

To all whom it may concern:

Be it known that I, DARIUS WILCOX, of Birmingham, in the county of New Haven and State of Connecticut, have invented a new Improvement in Forging Blanks for Top Plates of Fifth-Wheels; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification and represents, in—

Figure 1, a perspective view of the upper die; Fig. 2, a perspective view of the lower die; and in Fig. 3, a perspective view of the blank produced by this die.

This invention relates to an improvement in forging top plates of fifth-wheels for carriages, such as are known to the trade as the "Derby fifth-wheel," and which are constructed with projections upon the upper side to receive the head-block. These ends have heretofore been forged and wrought by hand, a laborious and expensive operation.

The blank is shown in Fig. 3, *a a* being the two projections, forming a space, *A*, between, into which the head-block sits. One end, *B*, is then drawn out into any desired form for the forward ends of the plate, usually of some

ornamental form. The other end, *C*, is welded to the top plate of the fifth-wheel, one of these blanks being used for each end of the top plate. The object of this invention is to construct this blank at a single blow, greatly reducing the expense of manufacturing this part of the carriage. *D* is the lower die, which is formed with a straight groove, *E*, through the center, corresponding to the body of the blank. The upper die *F* is formed with a groove through the center corresponding to the groove in the lower die to form the upper side of the blank, and in this groove two recesses, *d*, corresponding to the projections *a*, are made, so that when heated the bar is placed in the lower die and the upper die struck thereon, the metal will be thrown up into the recesses *d* in the upper die and form the projections *a a* on the blank, and also leave the two ends in proper form for drawing out and for attachment to the plate.

I claim as my invention—

The die-blocks *F D*, with the cavities described, for the purpose of forging blanks for the top plates of fifth-wheels, as set forth.

DARIUS WILCOX.

Witnesses:

W. F. ELMES,
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