

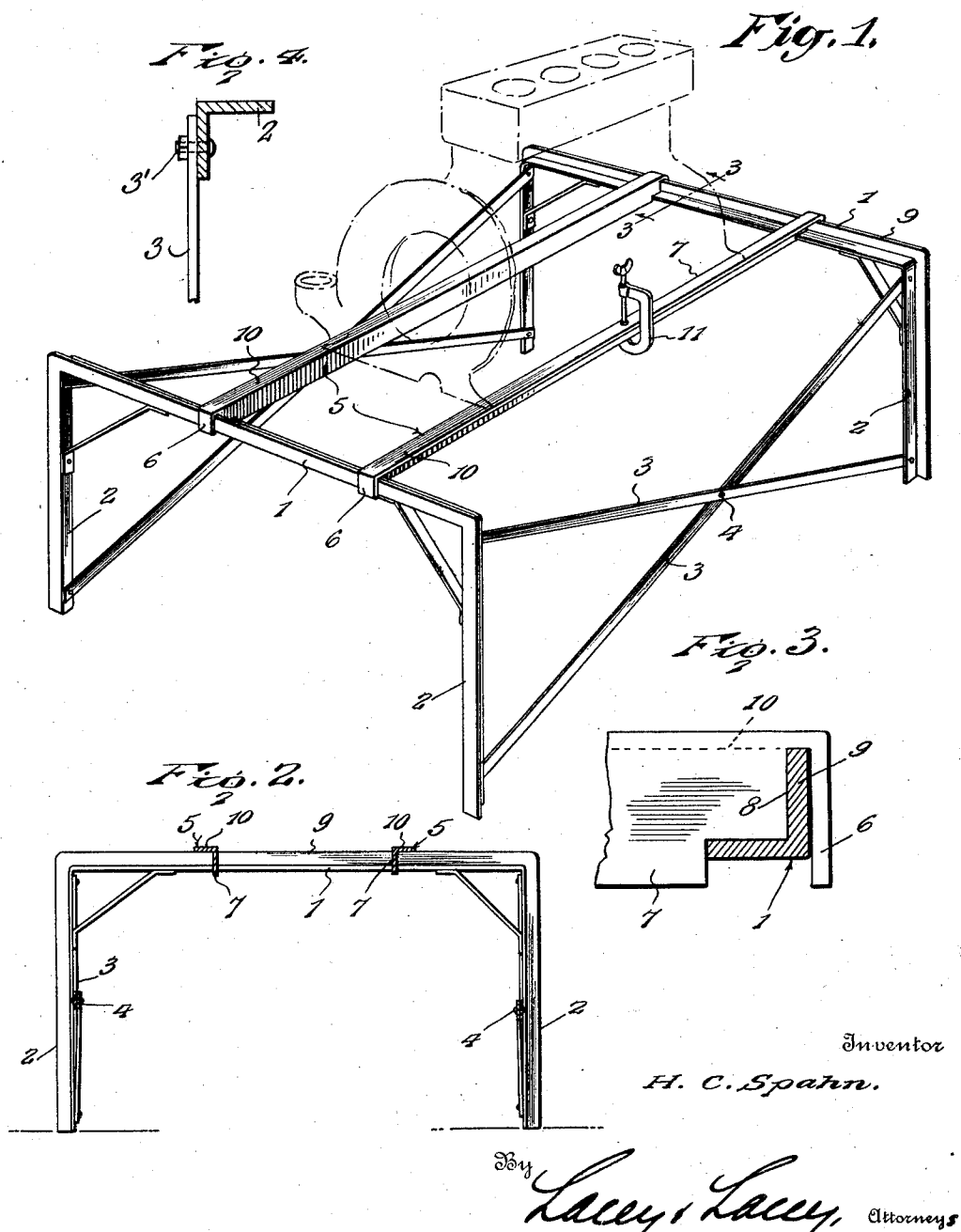
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MOTOR STAND

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UNITED STATES PATENT OFFICE

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MOTOR STAND

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The present invention is directed to improvements in stands for supporting motors, but is not necessarily limited to such use.

5 The primary object of the invention is to provide a device of this character so constructed that a gas motor can be conveniently supported thereon for assembling, disassembling, reboring and grinding, or for any purpose desired.

10 Another object of the invention is to provide a stand of this character constructed in such manner that the same can be adjusted for supporting motors of various sizes and supporting the motors in different positions
15 which will be most convenient for the mechanic.

Another object of the invention is to provide a stand so constructed that other parts of a motor can be conveniently supported
20 thereon, such for instance as the differential housings and driving shaft tube or casing.

In the accompanying drawing:

Figure 1 is a perspective view of the device.

25 Figure 2 is a transverse sectional view.

Figure 3 is a sectional view on the line 3—3 of Figure 1.

Figure 4 is a detail sectional view through one end of a brace side bar and associated
30 leg.

The stand comprises a pair of end frames which consist of horizontal bars 1 and legs 2, said legs being formed integral with the end bars 1 and are formed of angle iron. In
35 order to maintain the frames in spaced relation, side brace bars are provided, said bars 3 being connected intermediate their ends to form, in effect, a frame, the outer ends of which are detachably secured to the legs 2 by
40 bolts 3', and since the brace bars are pivotally connected, as at 4, it will be obvious that the same can be conveniently folded when the stand is not in use, so as to occupy a small amount of space.

45 The stand further comprises a pair of lon-

gitudinal bars 5 which are formed from angle iron and have their outer ends provided with down turned flanges 6, said bars being formed from angle iron and have their vertical webs 7 cut so as to provide slots 8 for slidably engaging the vertical webs 9 of the end bars 1. It will be observed that the horizontal webs 10 of the bars 5 rest upon the vertical webs 9 of the end bars 1 in order to prevent tilting of said bars, and as indicated in dotted lines in Figure 1, a motor is shown resting upon the bars 5 and may be held thereon by a conventional form of bench clamp 11 which is adapted to engage the flange of the motor and horizontal webs 10 of the bars 5. Owing to the presence of the slots 8 it is obvious that the bars 5 can be adjusted to support motors of various sizes, and while I have illustrated the motor as being supported in longitudinal position upon the bars 5 it will, of course, be understood that the same can be supported transversely thereof.

It will, of course, be understood that when the motor is supported upon the bars 5 that a boring machine of any suitable type can be mounted thereon in any approved manner in order that the cylinders can be bored, ground or honed.

It will also be obvious that the bars 5 can be so adjusted that the rear axle and associated parts can be conveniently supported thereon.

Since the bars 5 are readily detachable from the end frames and the legs 3 can be conveniently folded, it will be apparent that the device can be easily and quickly assembled or disassembled for storage.

What is claimed is:

1. A stand of the class described comprising end frames including horizontal bars, legs formed integral with the bars, brace bars connecting the legs, supporting bars having slots formed in their ends for slidably engaging the horizontal bars, said supporting bars

and brace bars being detachably connected with the frame.

2. A stand of the class described comprising end frames including horizontal bars and integrally connected legs formed from angle iron, supporting bars formed from angle iron and having slots provided in their ends for slidably engaging the vertical webs of the horizontal bars, and brace bars connecting the frames.

In testimony whereof I affix my signature.

HILBERT C. SPAHN. [L. S.]

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