



Fig. 49. Lifting device for removing the cylinder head (A) and lifting the engine block (B)

#### (d) Oil Pan

The oil pan forms the bottom part of the crankcase and contains the lubricating oil required for the lubrication of the engine. Since this oil must be renewed from time to time, an oil drain plug is arranged at the lowest point of the oil pan. If the engine block forms a part of the chassis of a tractor, the oil pan must be particularly stable and is screwed to the crankcase.

#### (e) Hints Regarding Maintenance and Repairs

- (1) The engine block must always be kept clean outside. Remains of oil and fuel should immediately be removed, because they may be ignited by the heat of the engine block and thus lead to fires. Points of leakage can easily be discovered if the engine block is clean.
- (2) Normally the engine block is made of grey cast-iron. Since heavy blows of a hammer may cause cast-iron to crack, they must be avoided.
- (3) The contact surfaces between cylinder block and cylinder head must be finish-ground.