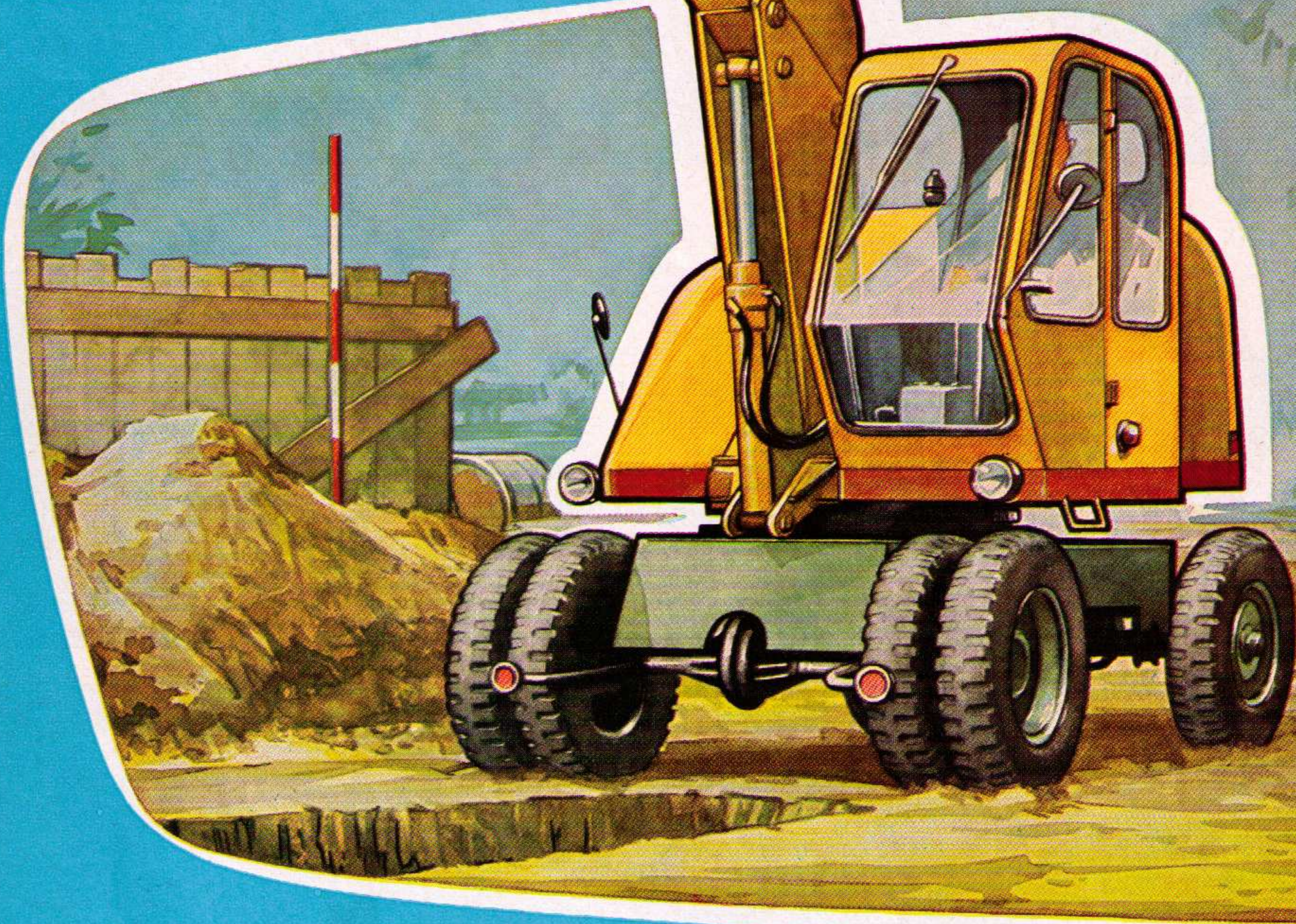


German and foreign patents



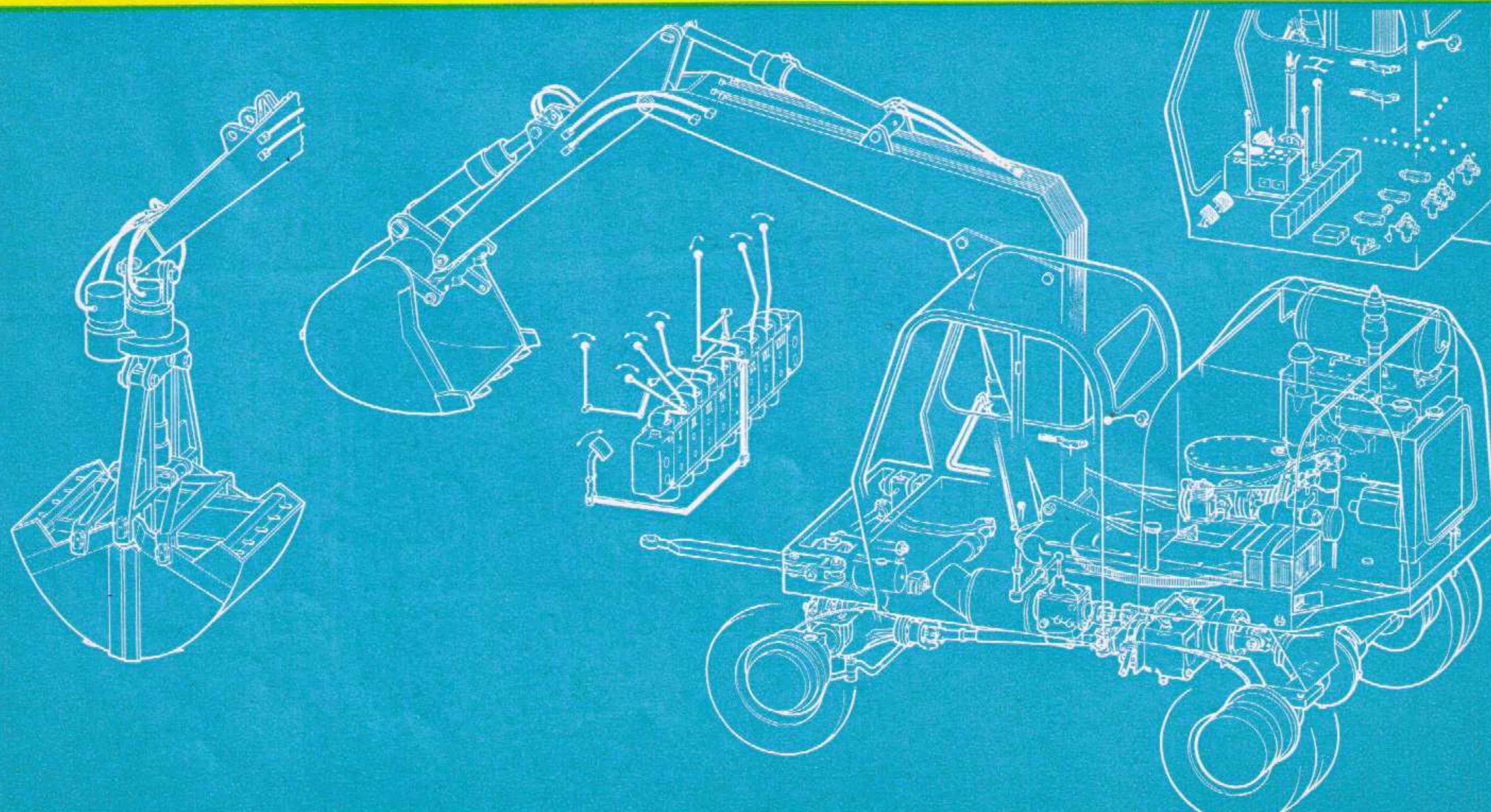
# ATLAS 1200

## HYDRAULIC LOADER AND EXCAVATOR

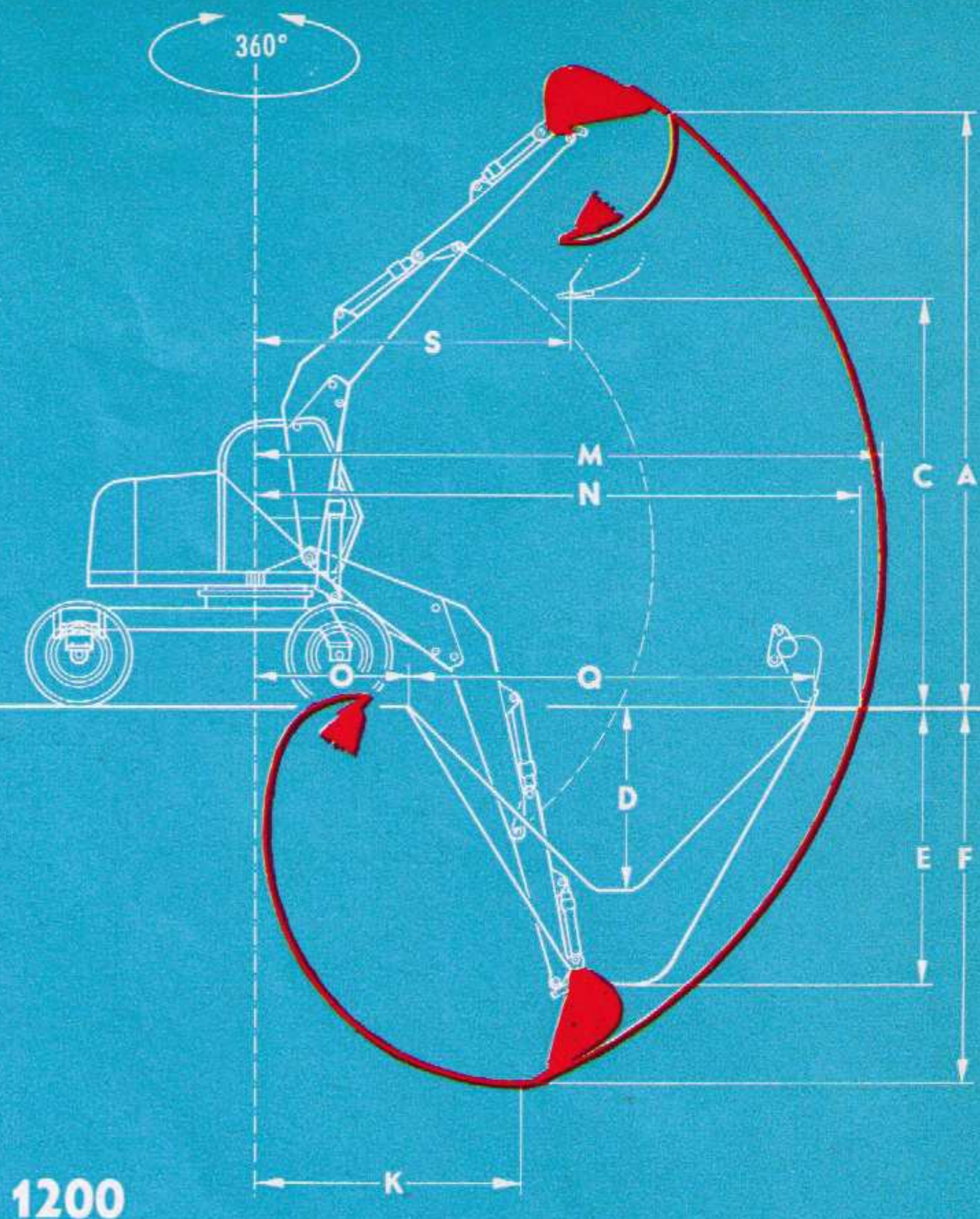
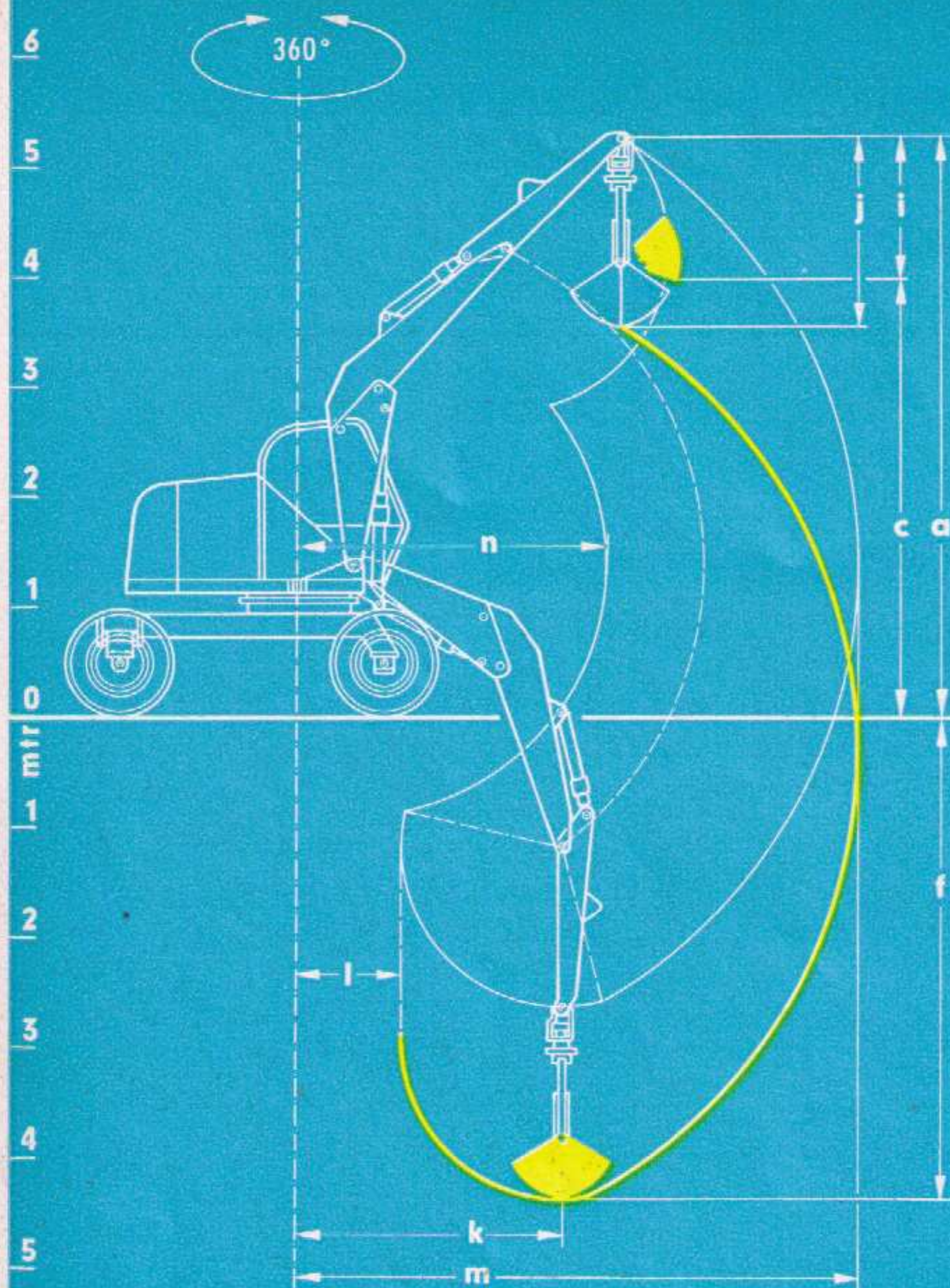




The ATLAS 1200 is a self-propelled hydraulic excavator of proved efficiency. A wide range of quickly interchangeable attachments is available, enhancing still further the universal usefulness of this machine. The powerful hydraulic four wheel drive can easily cope with the roughest ground, with swamps and steep gradients. Hydraulic elements replace the heavy and cumbersome parts found on mechanically operated excavators, such as ropes, rope drums, gearboxes, etc. This accounts for the comparatively low weight and small wheel pressure. Speed can be closely regulated, as there are 16 steps, covering a range between 0.38 and 12.5 m.p.h. This is particularly useful when driving over rough ground, and the "crawl" gear, together with the other hydraulic equipment practically eliminate the danger of bogging down.







1200

### ATLAS 1200 with grab

- a Max. height to tip of boom 17'-2"
- c Height to bottom of open grab 12'-7"
- f Effective depth to lip of grab 14'-6"
- i Distance from tip of boom to bottom of open grab 4'-9"
- j Distance from tip of boom to bottom of closed grab 6'-2"
- k Radius to max. grab depth 9'-2"

- l Min. radius with outer arm folded and boom at lowest position 3'-3"
- m Max. reach 16'-7"
- n Reach with outer arm folded 9'-2"
- p Rearward projection 5'-3"
- q Overall height 8'-10"
- r Wheelbase 7'-10"
- s Track (front wheels) 6'-1"
- t Track (rear wheels) 6'-3"
- u Ground clearance 1'-2"
- v Overall width 8'-3"
- w Overall length 17'-6"

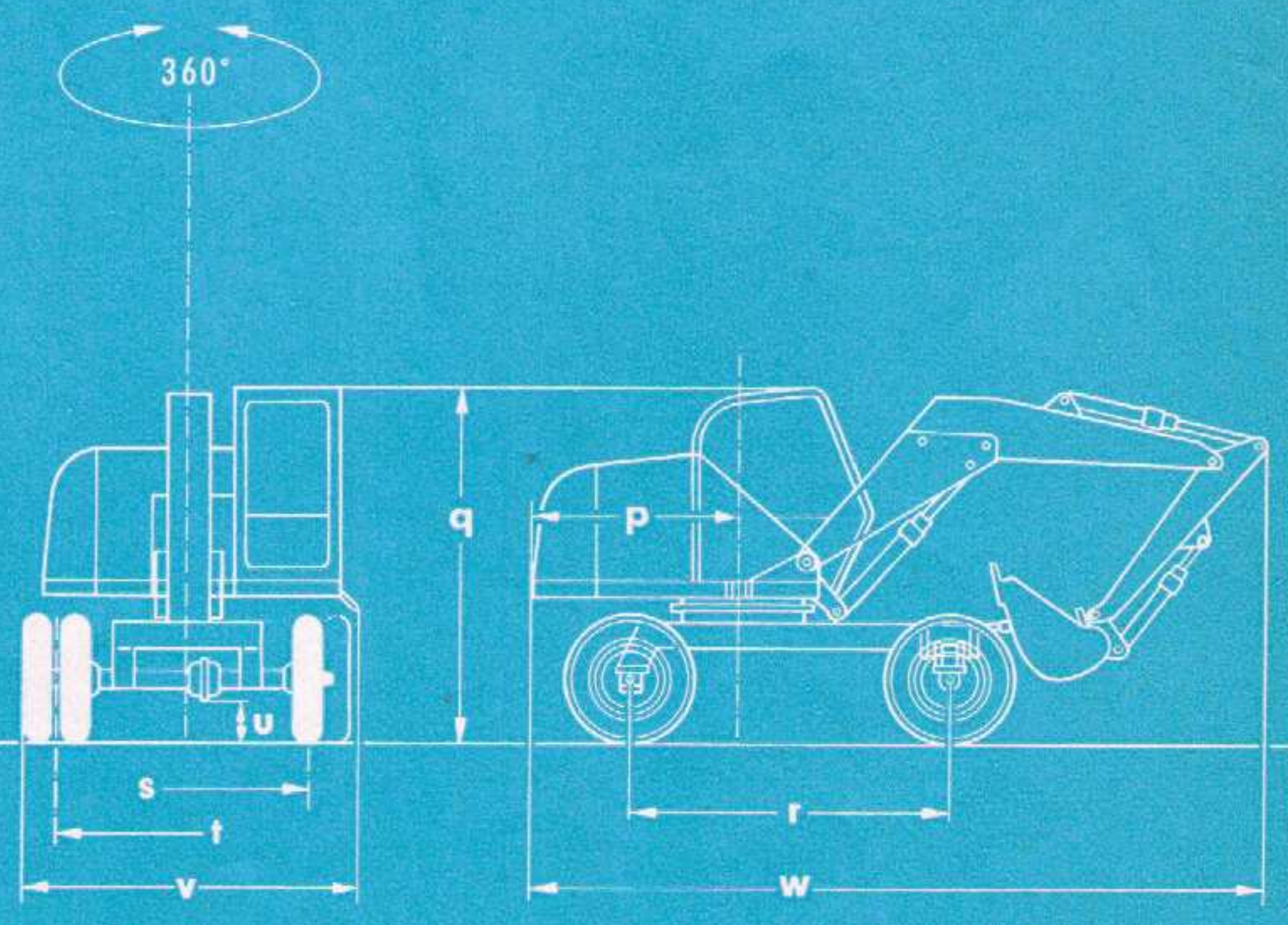
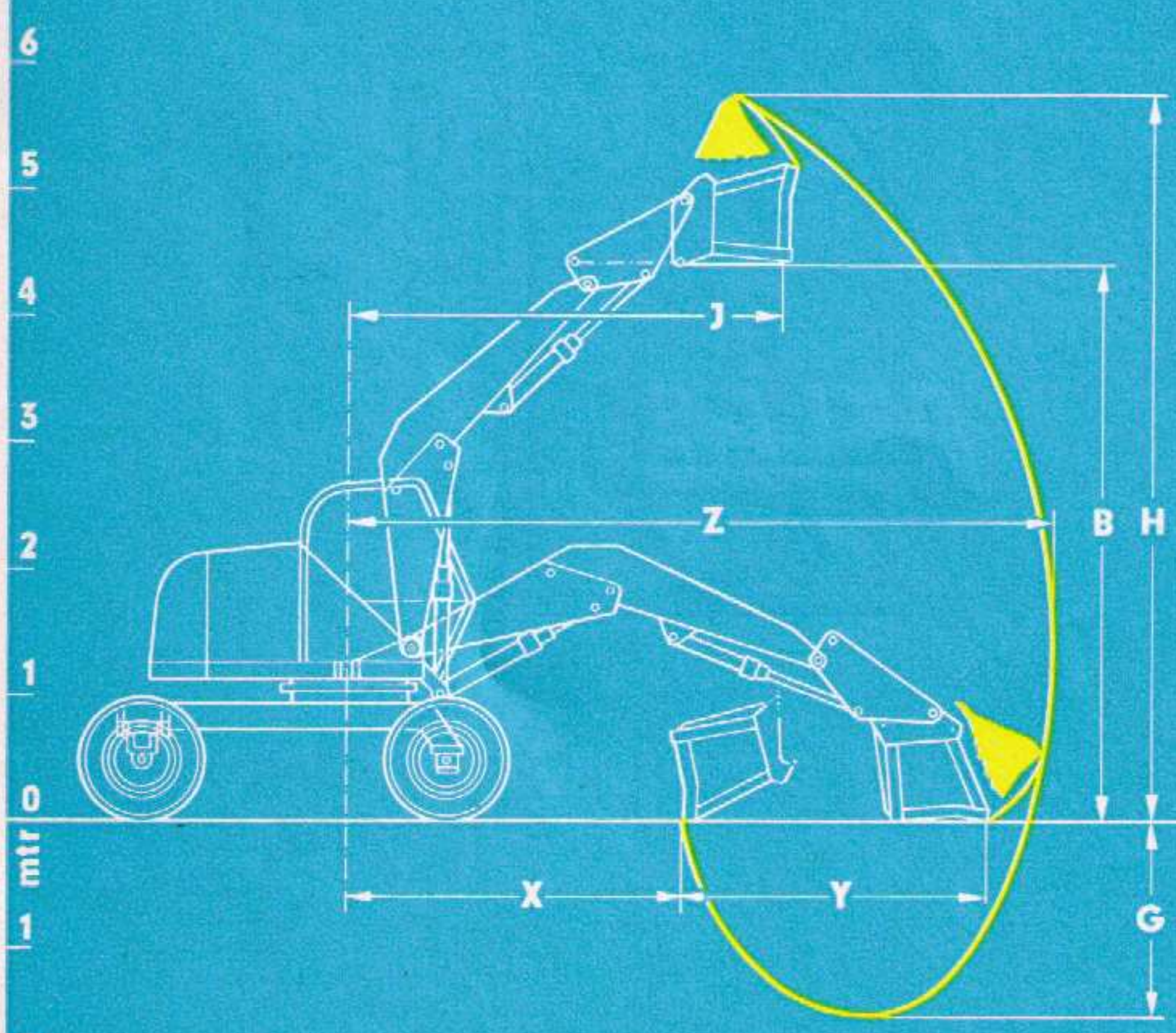
### ATLAS 1200 with Bucket and Trench Bucket

- A Max. cutting height 18'-1"
- C Discharge height 12'-5"
- D Cutting depth with 45° cutting angle (back hoe) 5'-11"
- E Cutting depth with 60° cutting angle (back hoe) 9'-4"
- F Max. effective depth for bucket 11'-6"
- K Reach at max. effective depth (bucket) 8'-6"
- M Max. reach 18'-10"
- N Max. reach on level cut trenchhoe 18'-5"

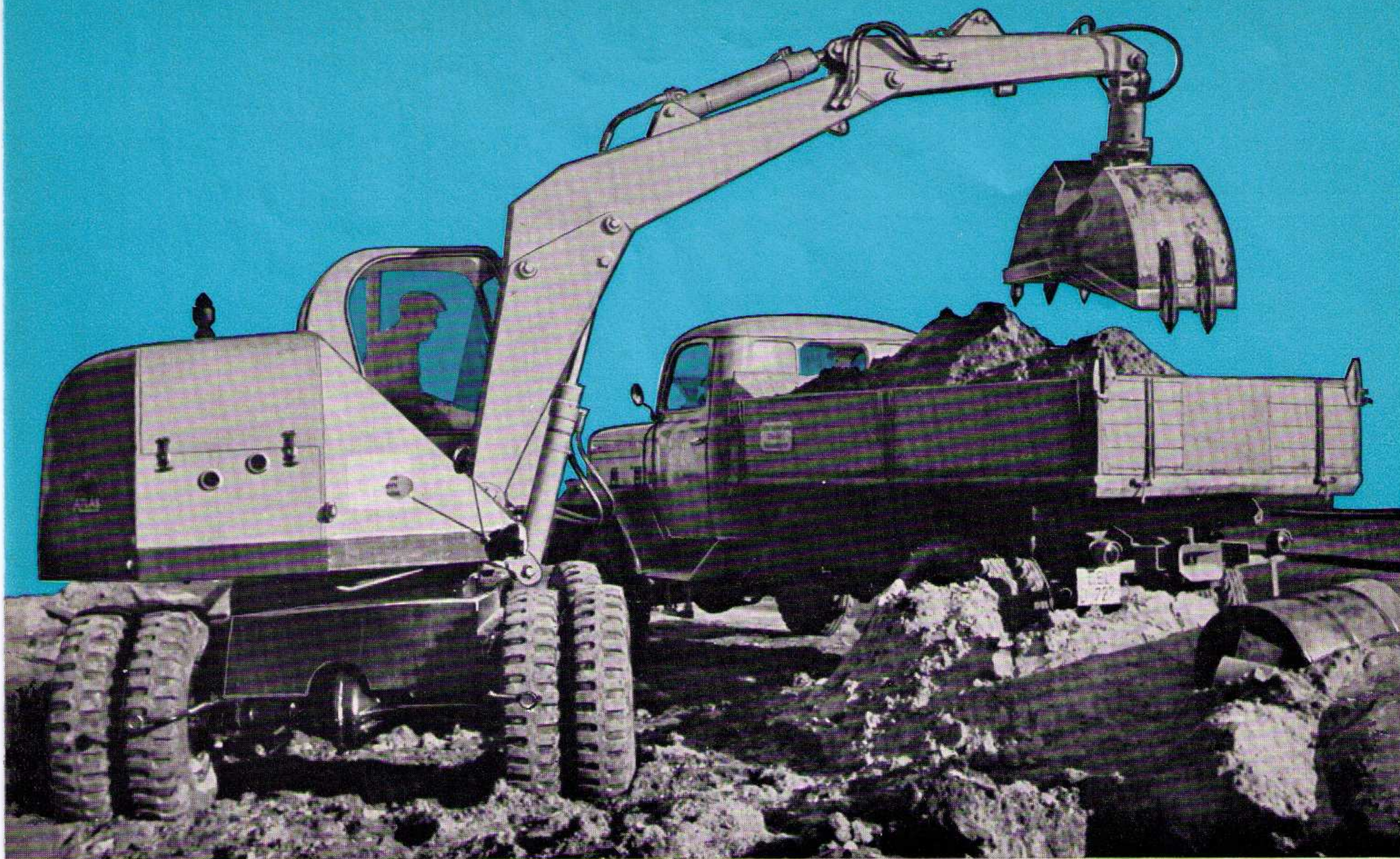
- O Min. reach for back hoe 4'-11"
- Q Max. level cut for back hoe 12'-6"
- S Discharge radius 9'-10"

### ATLAS 1200 with Luffing Shovel

- B Discharge height 14'-5"
- G Max. depth 4'-11"
- H Max. cutting height 18'-8"
- J Discharge radius 11'
- X Min. digging radius 8'-6"
- Y Max. digging width (ground level) 7'-9"
- Z Max. reach 18'-1"







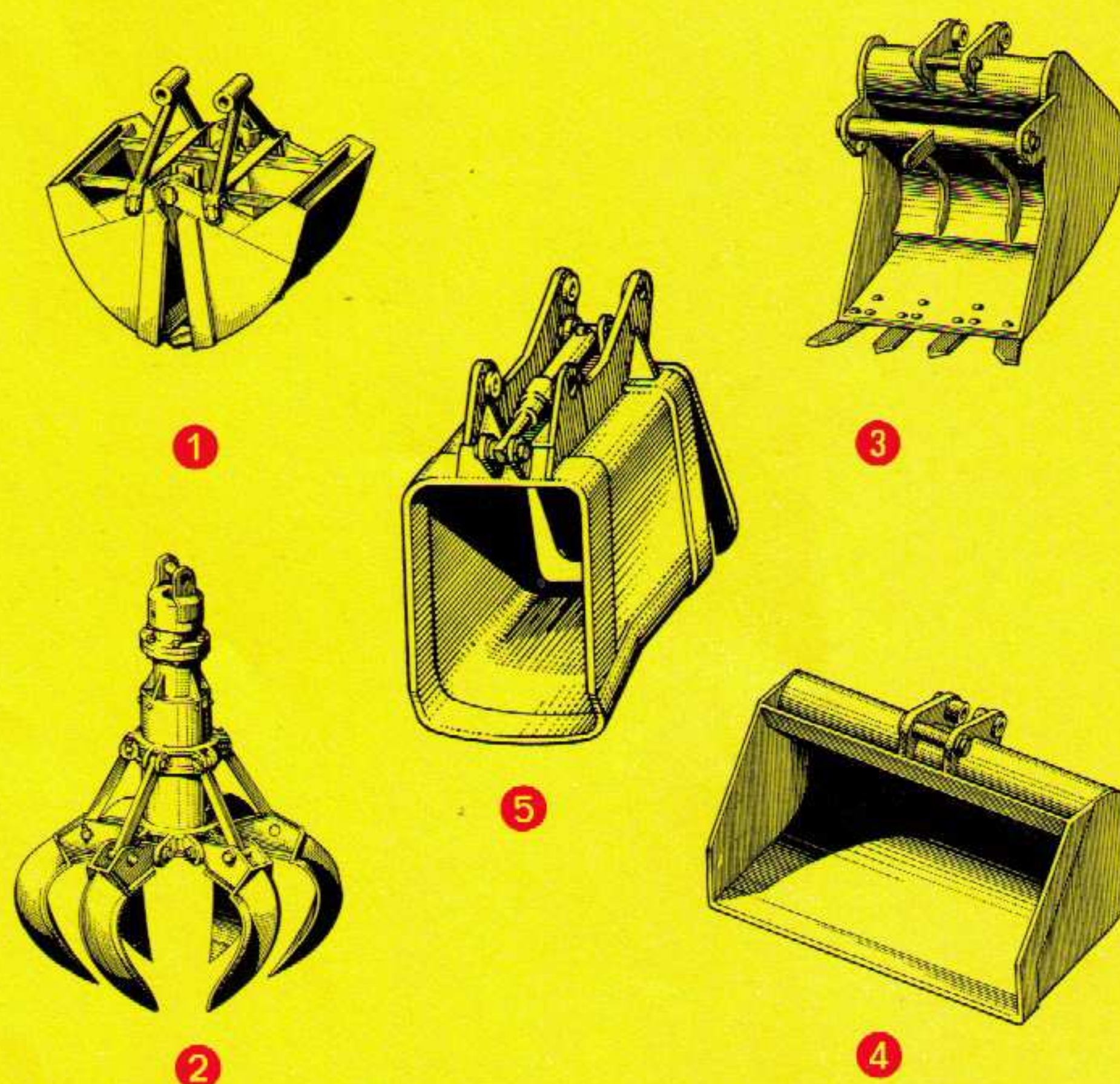
The highly manoeuvrable chassis of the ATLAS 1200 allows working even in very confined spaces. Slewing is unlimited, just as with a roundabout. The special high speed gear allows remarkably fast working speeds, with two movements performed simultaneously. The power assisted steering allows "fingertip" control of the machine even on the roughest ground.

#### The right tool for every job.

There is a wide choice of various attachments available, making the ATLAS 1200 a machine of universal usefulness. The most important attachments are:—

- 1) Ballast grab with interchangeable steel teeth and stripping device, 10.6 cu.ft. capacity.
- 2) Orange Peel Grab ("Polyp" Grab) 8.8 cu.ft. capacity.
- 3) Back hoe for sloping, 47.2 in. broad.
- 4) Trench hoe, 21.7 in. broad, 7.8 cu.ft. capacity.
- 5) Luffing shovel 8.8 cu.ft. capacity.

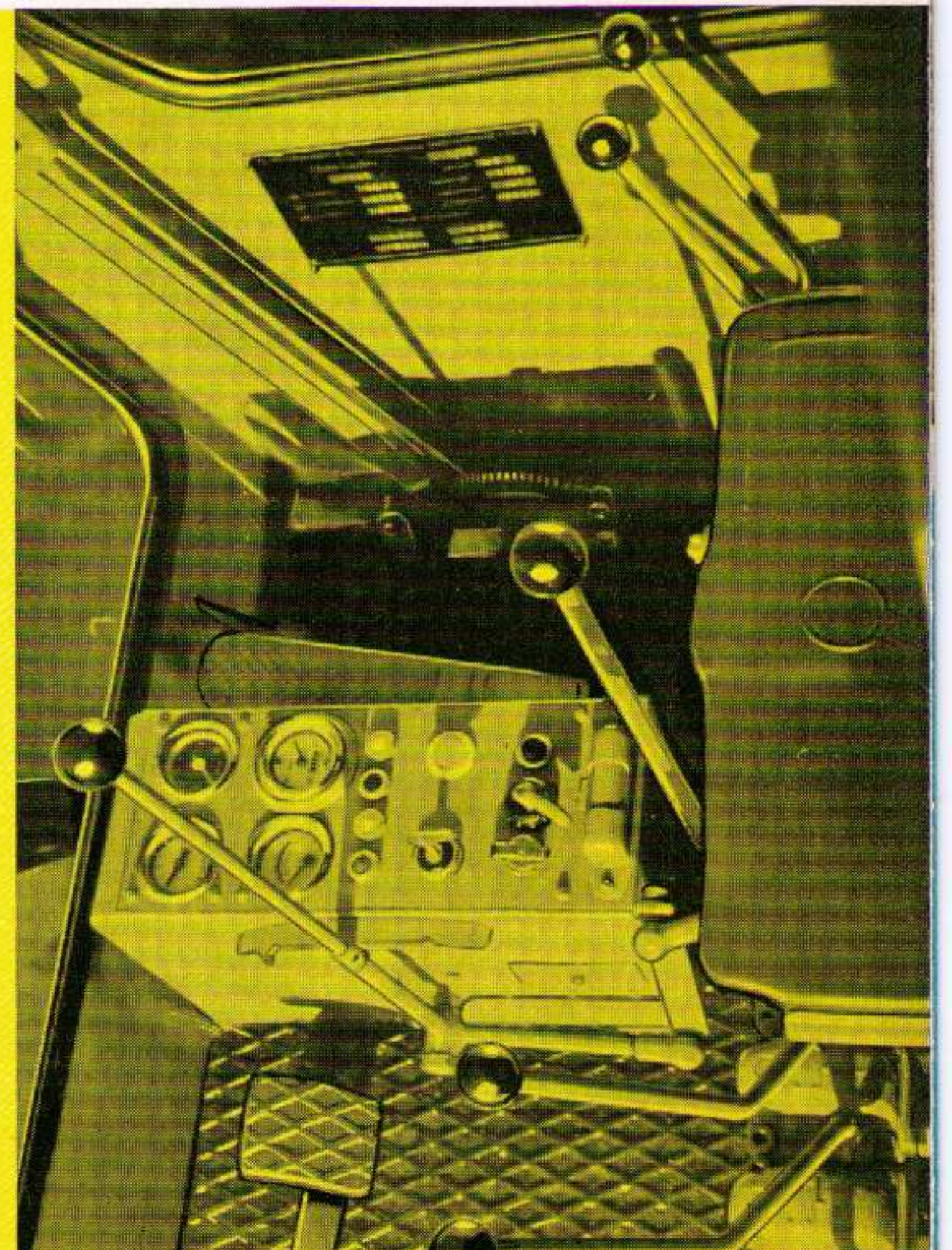
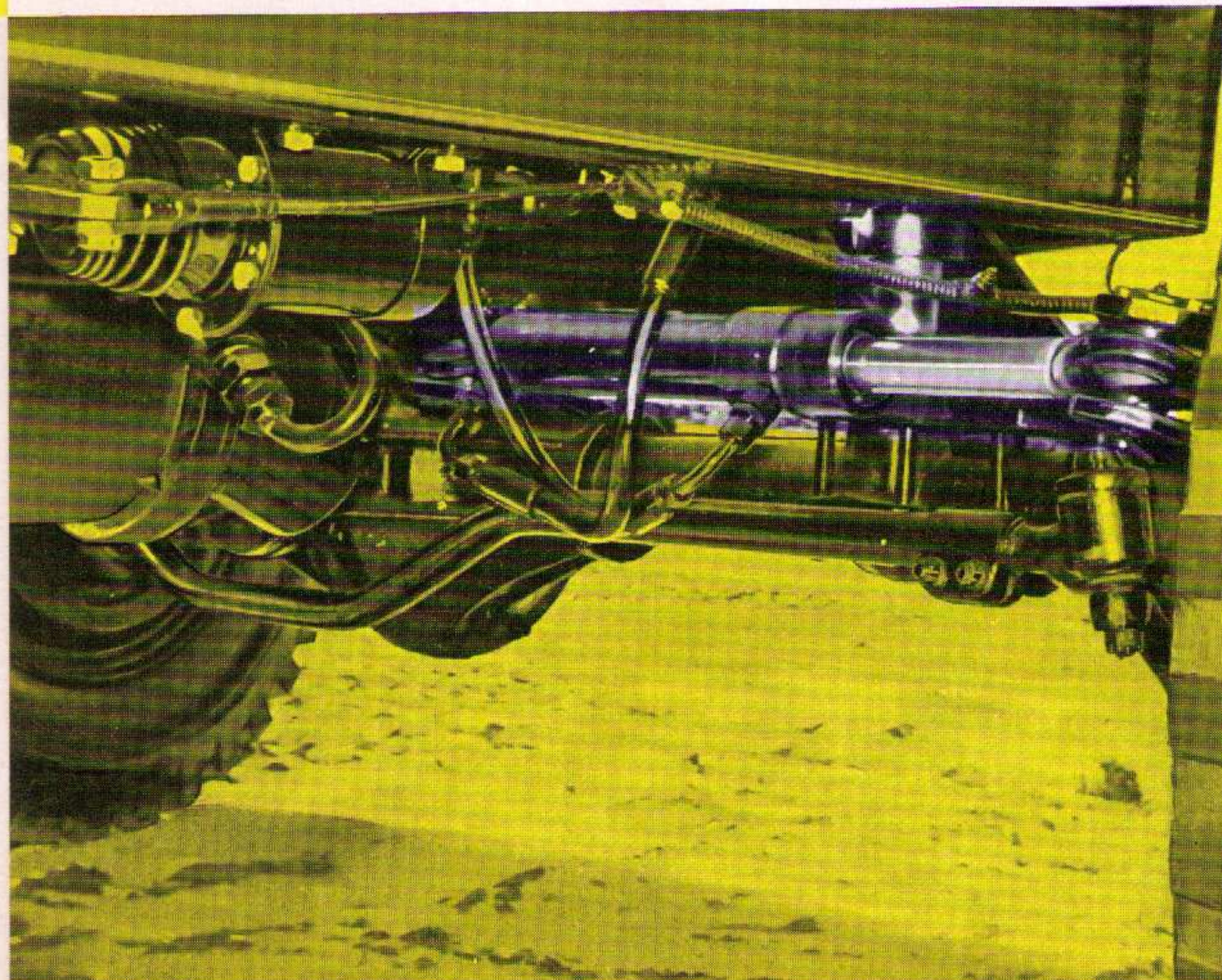
Other attachments on request. Our grab suspension mechanism (Patent applied for) which allows the grab to be hydraulically rotated round its vertical axis, offers great advantages.





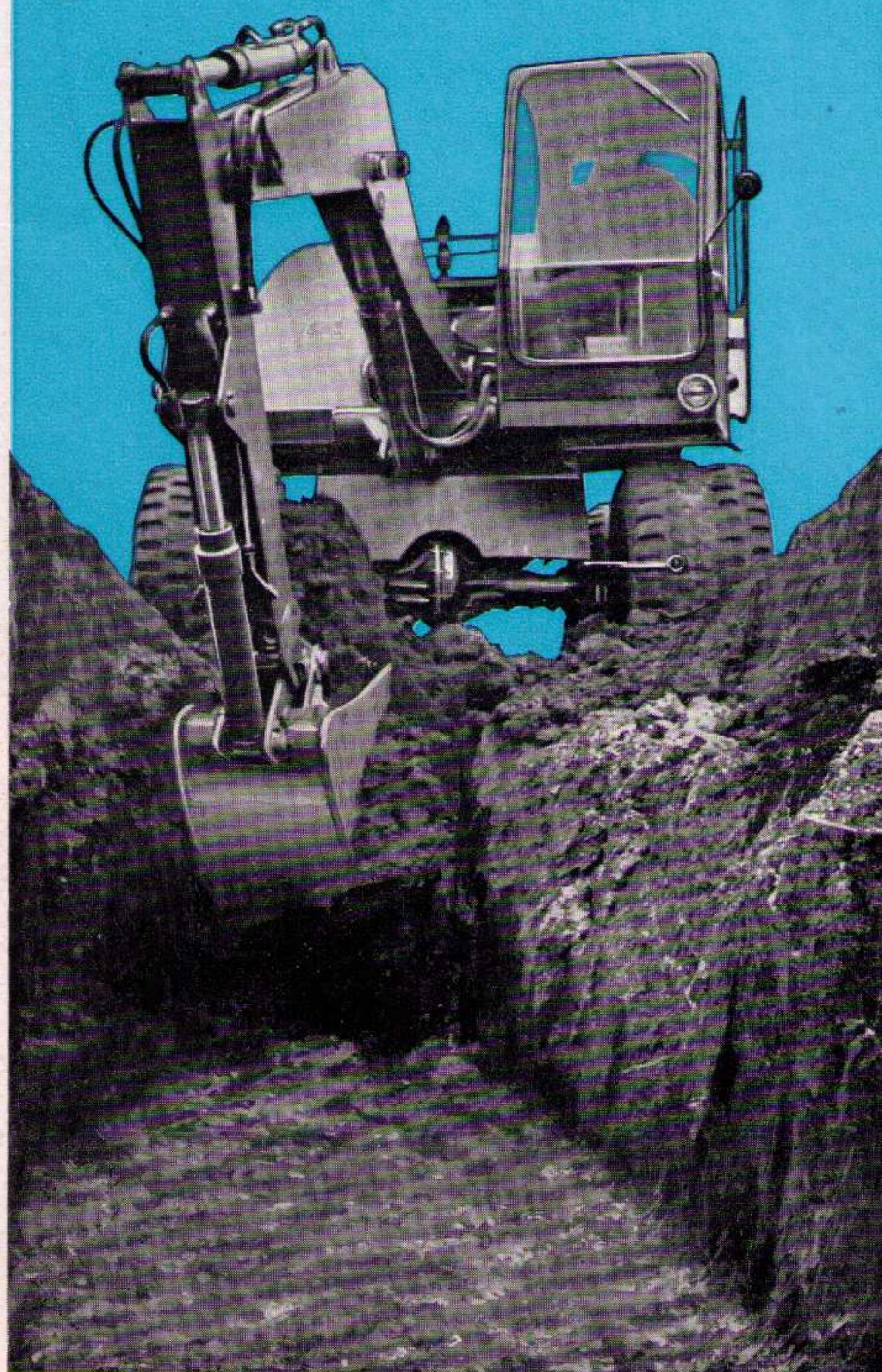


All movements, such as lifting and lowering, boom folding, tipping of the shovel, opening and closing of the grab, are hydraulically controlled. Moreover, the grab can also be swivelled round its vertical axis (Patent applied for). This movement too is performed by hydraulic power and controlled from the cab. By means of a slight lever movement the grab can be set to any desired position. All controls and instruments, such as oil pressure gauge, oil thermometer, working hours counter, etc. are conveniently placed in the allround view cab.





**ATLAS Hydraulic Excavators were developed over many years and are absolutely reliable.**



#### Technical Data ATLAS 1200

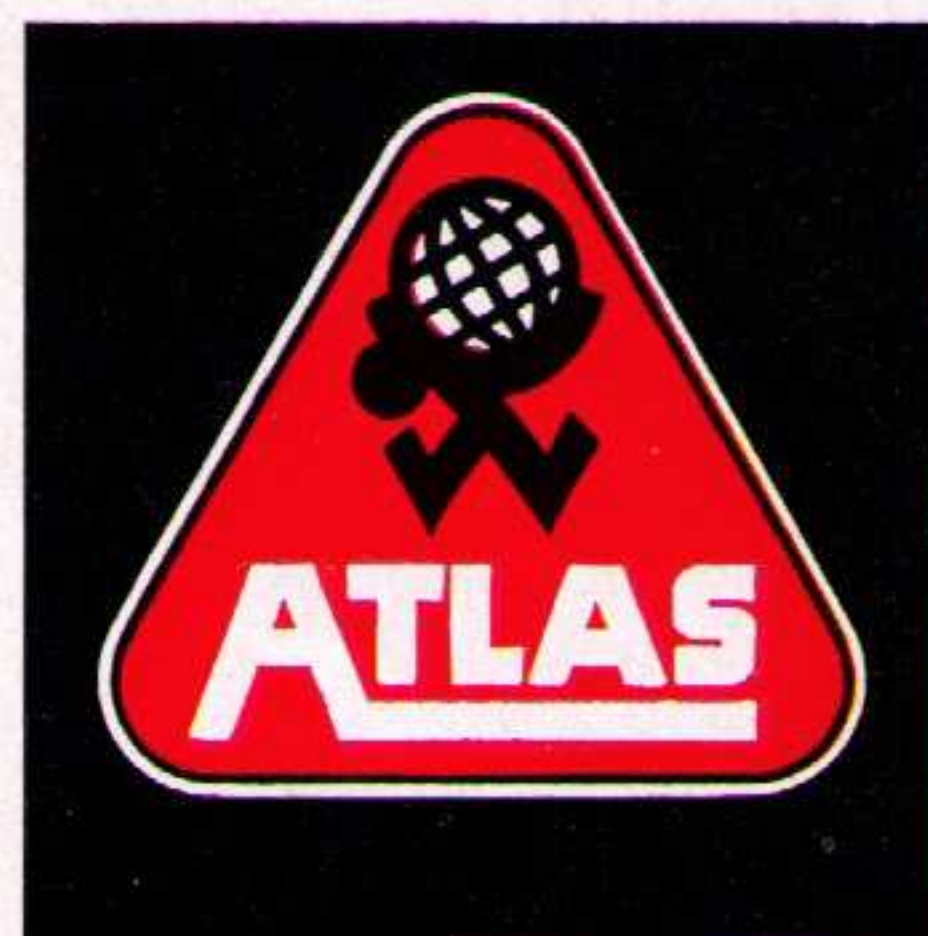
Carrying capacity (without grab) with shortest arm	2 tons
Carrying capacity (without grab) with longest arm	1 ton
Closing power grab ram	14.5 tons
Closing power at grab lip	2 tons
Pulling power of bucket	4.5 tons
Pulling power of luffing shovel	4.5 tons
Lifting speed	83 yds/min.
Slewing speed	12 r.p.m.
Working cycles per min. with 90° slewing angle	6
Total weight, without attachments	5.8 tons
Motor: 3 Cyl. Fordson-Diesel, 30 HP water-cooled. (air-cooled motor also available)	
Travelling speed	0.38—12.5 m.p.h.
Hill-climbing	40 %
Fuel consumption under normal conditions	0.8 gal/hr.
Capacity, loading loose stock	130 cu.yds/hr.

#### Weight of attachments

Grab suspension, pivotable by hand	269 lbs.
Grab suspension, hydraulically pivotable	381 lbs.
Ballast grab with interchangeable steel teeth, 23.6" wide, 10.6 cu.ft. capacity	507 lbs.
Sand and gravel grab, 23.6" wide, 10.6 cu. ft. capacity	419 lbs.
Orange peel grab, 8.8 cu.ft. capacity	1015 lbs.
Drainage grab, 15.7" wide, 7 cu.ft. capacity	485 lbs.
Grab for heavy clay, 23.6" wide, 9.7 cu. ft. capacity	475 lbs.
Log grab, 10.8 sq.ft. area	617 lbs.
Log claws (log dia. up to 31.5")	66 lbs.
Brick grapple (172 standard bricks)	254 lbs.
Coal and coke grab, 17.7 cu.ft. capacity	705 lbs.
Luffing shovel, 8.8 cu.ft. capacity	507 lbs.
Trench hoe, 21.7" wide, 7.8 cu.ft. capacity	496 lbs.
Back hoe, 47.2 in. wide, 7.8 cu.ft. capacity	485 lbs.
Drainage bucket, 12" wide, 4.2 cu.ft. capacity	309 lbs.

Representative:

The reliable Atlas Service with works trained engineers and spare part stores is always at your disposal.



German and foreign patents

**H. WEYHAUSEN KG.**  
**MASCHINENFABRIK**  
**DELMENHORST i. OLD.**

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We reserve the right of introducing modifications and improvements.

Dimensions are given without commitment.

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