

付 属 資 料

作業日報ハンドトラクター LAPORAN PEKERJAAN HARIAN HAND TRAKTOR

| TANGGAL : 年月日 | CUACA : 天候 | | | NAMA DESA : 村名 | | | NAMA PEMILIK : 所有者名 KELOMPOK/TANI : 農民氏名 LUAS SAWAH/LADANG 田圃面積ha | | | | NAMA OPERATOR : オペレーター氏名 | | JAM KERJA 稼働時間 |
|--|---------------|---|---|-------------------|----|----|---|---|---|---|-----------------------------|---|-------------------|
| JAM / URAIAN PEKERJAAN 作業時間説明 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | JAM KERJA 稼働時間 |
| SAWAH/LADANG *) 水田・畑 - BAJAK (PLOW) 鋤による耕起 - GARU 爪のある農具 - MERATAKAN 均平 | | | | | | | | | | | | | |
| TRANSPORTASI 運ぶ - ANGEUT PERALATAN - ANGEUT LAIN-LAIN | | | | | | | | | | | | | |
| LAIN - LAIN その他 (CUCI MESIN, CUCI TRAKTOR, PERIKSA DAN PERBAIKI MESIN) 洗車点検修理 | | | | | | | | | | | | | |
| JUMLAH : 合計 | | | | | | | | | | | | | |

| JAM MESIN | | SOLAR (L) 軽油 | OIL (L) オイル | OIL SISTIM HIDROLIN (L) ハイドロリン | LAIN - LAIN | |
|------------------|--|-----------------|----------------|-----------------------------------|---|--|
| MULAI 始めの時間 | | | | | A. KEADAAN JALAN / SAWAH / LADANG 道路・水田・畑の状況 | |
| SELESAI 終業の時間 | | | | | B. KEADAAN MESIN 機械の状況 | |
| JAM 時間 | | | | | | |

KETERANGAN :
*) CORET YANG TIDAK PERLU
必要な長い線を引く

TANDA TANGAN OPERATOR :
オペレーターサイン
(.....)

PENGAWAS :
担当者
TANDA TANGAN : (.....)
サイン

LAPORAN PEKERJAAN HARIAN 作業日報

| TANGGAL : 年月日 | CUACA : 天候 | | | NAMA MESIN : 機械名 | | | NAMA DESA : 村名 | | | | NAMA MEKARI : 整備員氏名 | | KETERANGAN 説明 |
|-------------------------------------|---------------|---|---|---------------------|----|----|-------------------|---|---|---|------------------------|---|-------------------|
| JAM/URAIAN PEKERJAAN 作業時間説明 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | JAM KERJA 作業時間 |
| Pemeriksaan & Pembongkaran 分解点検 | | | | | | | | | | | | | |
| Pemeriksaan & Pemasangan 点検組立 | | | | | | | | | | | | | |
| Pemeriksaan & Pengaturan 点検交換 | | | | | | | | | | | | | |
| Periksa alat & ganti oil 各部点検油交換 | | | | | | | | | | | | | |
| Cuci mesin & lain-lain 洗車その他 | | | | | | | | | | | | | |
| JUMLAH 合計 | | | | | | | | | | | | | |

NAMA MESIN : 機械名

URAIAN PEKERJAAN : 作業種別

PENGANTIAN ALAT : 交換部品

HENGETARUI PPL :

- | | | |
|-------------------------------|-------------------------------|-----------------------------|
| 1). Hand Tractor (ハンドトラクター) | 1). Mesin listrik/las (電気溶接機) | 1). Saringan oli (オイルフィルター) |
| 2). Mesin pemrotol padi (脱穀機) | 2). Las Gas (ガス溶接) | 2). Saringan solar (フイラー) |
| 3). Alat semprot hama (噴霧器) | 3). Pembuatian (加工制作) | 3). T-Belt (ベルト) |
| 4). Generator (ジェネレーター) | (その他) | 4). Lain-lain (その他) |
| 5). Rice millling (ライスミル) | | |
| 6). Lain-lain (ライスマシン) | | |
| (その他) | | |

(.....)

農業機械修理点検指示書

PETUNJUK PERAWATAN MESIN-MESIN PERTANIAN DAN MESIN-MESIN LAINNYA

1. Nama Mesin
機名
2. Nomor Register
登録番号
3. Jam/Hilometer
77-メーター
4. Operator/Pegeemudi
オペレーター名

- Singkatan (kode):
略号
- (D) Kemeriksaan 点検
 - (F) Kegerakan 始める
 - (A) Menyetel 調整
 - (E) Mengganti 交換

- (C) Membersihkan 掃除
- (F) Pengisian Bahan Bakar 燃料フルタンク
- (D) Pembongkaran 分解
- (X) Pemasangan 組み立て

- Sistem Mesin :
システム
- Minyak mesin エンジン
 - Mekanis hidupan mesin エンジンオイル
 - Mesin injeksi エンジンノイズ
 - Pompa injeksi エンジンインジェクションノズル
 - Katup injeksi エンジンインジェクションポンプ
 - Katup lorak エンジンインジェクションタイミング
 - Tali kipas バルブクリアラランス
 - Fan belt ファンベルト

- Sistem Tenaga :
パワーシステム
- Rangkaian daya tolak kopeling クラッチスタストベアリング
 - Mekanis injakan akselerator クラッチベタル遊び
 - Riring daya tolak kopeling クラッチスタスタブレーート
 - Poros roda depan フロントアクスル
 - Selang kopeling メンクラッチ
 - Transmisi トラシスミツシヨシ
 - Kegiatan terakhir ファイナルドライブ
 - Persemdian keseluruhan ユニバーサル

- Sistem Setir :
ステアリングシステム
- Kebocoran minyak setir オイル漏れ
 - Berman dan longgar setir ステアリング遊び
 - Duran minyak setir オイルレベル
 - Penajajaran roda タイヤ交換
 - Tias kubung setir クラッチレバー
 - Memastikan pengembali 戻り機構
 - Tepati genggan setir ギアボックス

- Sistem Elektrik :
電気システム
- Ketahanan kawat ワイヤハーネス
 - Busi / Kontak api プラグ
 - Perbaikan roda gigi スターターモーターギヤ
 - Arcometer balerei バッテリハイドロメーター
 - Indikator beban maalan チャージインジケーター
 - Binaan arus listrik オルタネーター
 - Busi menyala dan khal スパークプラグ

- Sistem Putaran :
回転システム
- Tekanan udara ban タイヤ圧力
 - Roda kusak ホイールダメージ
 - Jepitan banl roda 取付ボルト
 - Aliran asiaranlai トラックリンク
 - Jalan lintasan silinder トラックローラー

- Sistem Mengerem :
ブレーキシステム
- Pedal rem ブレーキペダル
 - Memastikan luas pebangkus rem サイドブレーキ
 - Basuh dan los label ロットグーブル
 - Tuas rem dan label レバーゲアブル
 - Pipa dan silibder rem ブレーキハイブ
 - Kopeling setir ステアリングクラッチ
 - Hidrometer rem ブレーキハイドロメーター

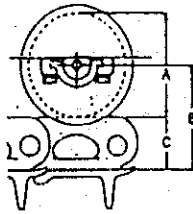
- Sistem Meteria :
作業システム
- Selang tekanan minyak オイルパイプ
 - Kalup pengontroli コントロールバルブ
 - Pipa penghubung / hubungan pipa コントロールパイプ
 - Memastikan luas kontroli コントロールバルブ
 - Lapisan atas dan bawah mata ranlai トラップローリング
 - Tenaga pengambilan suara パワーチャイック
 - Batang hubung ドローバー

- Sistem Penerangan :
安全システム
- Sistem penerangan lampu 前照灯
 - Indikator / batu minyak 燃料メーター
 - Indikator kerusakan インジケーター
 - Indikator temperatur 温度計
 - Pengukur kecepatan スピードメーター

- Bagian Perbaikan :
交換部品
- Tekhnisi :
メカニック名
- Saran Tekhnisi :
状況意見記入

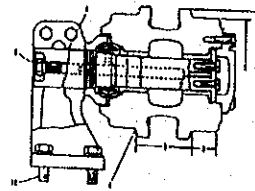
- Total Jam Kerja :
稼働時間合計
- Keterangan :
状況説明

D41-A



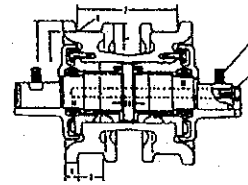
| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------|--------------|-------------|
| A = 615 m/m | 600 m/m | |

CARRIER ROLLER



| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------|--------------|-------------|
| 2 .165 m/m | 155 m/m | |

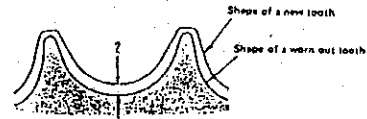
TRACK ROLLER



| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------|--------------|-------------|
| 5 200 m/m | 190 m/m | |

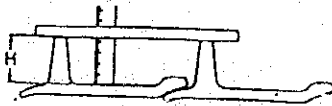


| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|--------------------------|-----------------------|-------------|
| 1 .775. ⁴ m/m | 763. ⁵ m/m | |
| 3 50 | 42 | |

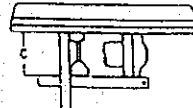


| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|--------------------------|--------------|-------------|
| 2 699. ⁹⁷ m/m | 688 m/m | |
| 4 70 | 62 | |

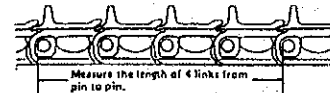
D41-A



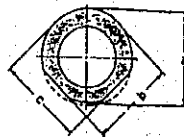
| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------|--------------|-------------|
| H = 50 m/m | 25 m/m | |



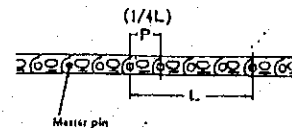
| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------------------|--------------|-------------|
| C = 101. ⁵ m/m | 94 m/m | |



| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------|--------------|-------------|
| | | |

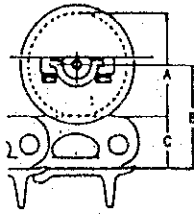


| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------|--------------|-------------|
| a = 55 m/m | 52 m/m | |
| b = - | - | |
| c = - | - | |

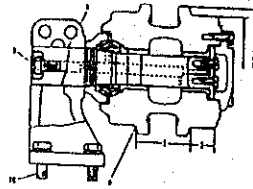


| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------------------|-----------------------|-------------|
| P = 175. ² m/m | 178. ² m/m | |

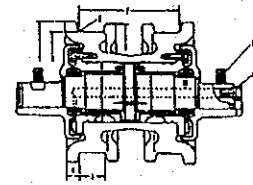
D31-E



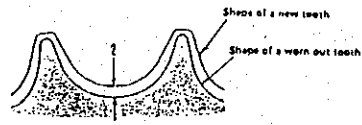
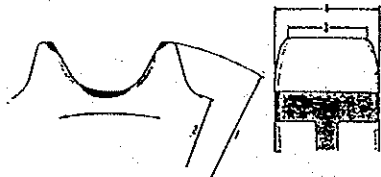
CARRIER ROLLER



TRACK ROLLER

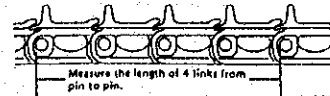
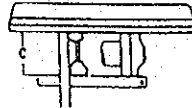
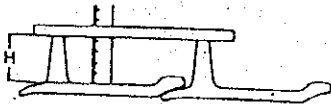


| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT | STANDARD SIZE | REPAIR LIMIT | MEASUREMENT | STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------|--------------|-------------|---------------|--------------|-------------|---------------|--------------|-------------|
| A = 520 m/m | 508 m/m | | 2 = 142 m/m | 130 m/m | | 5 = 170 m/m | 160 m/m | |

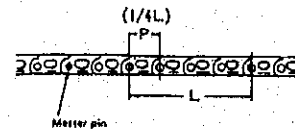
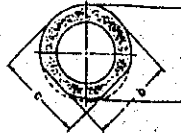


| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT | STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------|--------------|-------------|---------------|--------------|-------------|
| 1 636.4 m/m | 624.5 m/m | | 2 571.9 m/m | 560 m/m | |
| 3 38 m/m | 32 m/m | | 4 47.5 m/m | 42 m/m | |

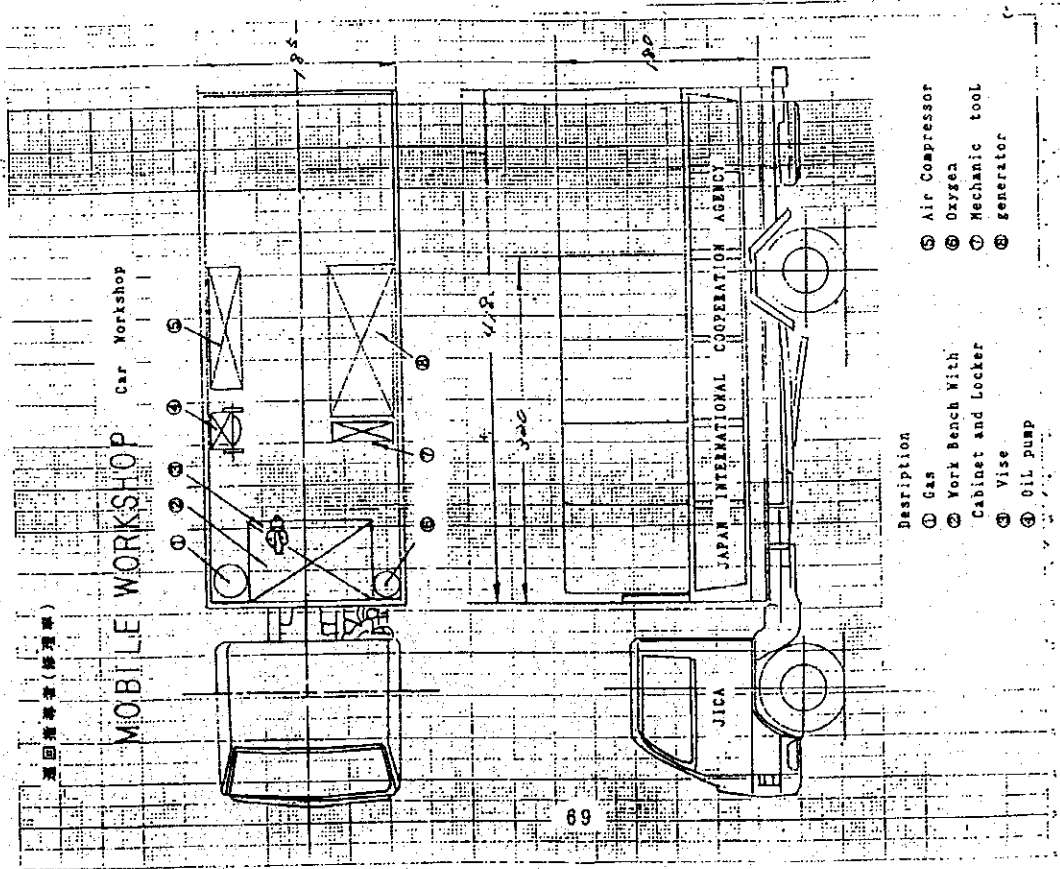
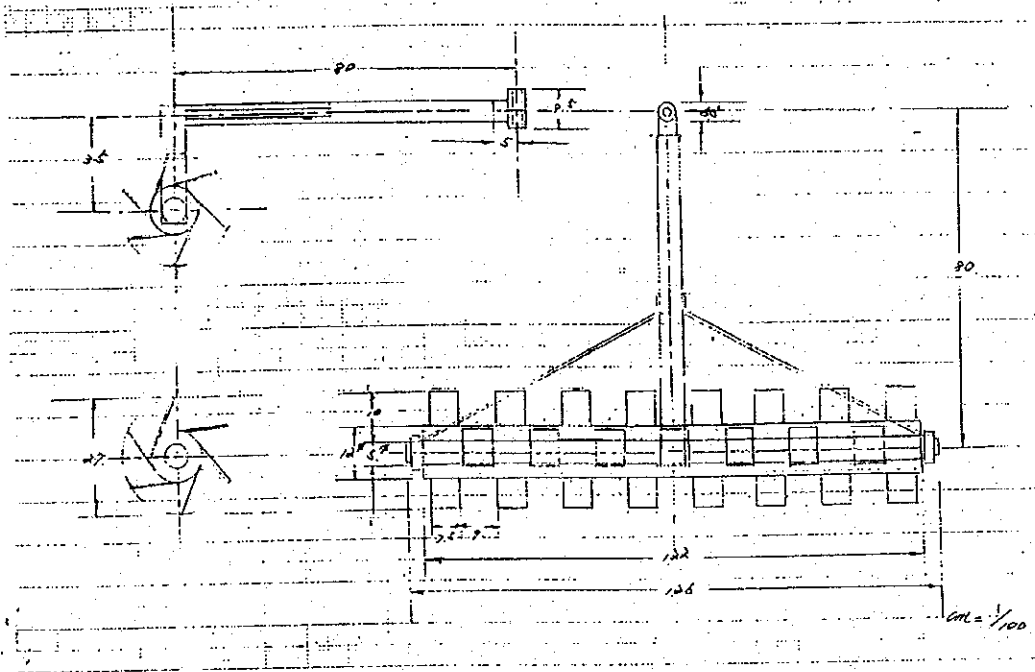
D31-E



| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT | STANDARD SIZE | REPAIR LIMIT | MEASUREMENT | STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------|--------------|-------------|---------------|--------------|-------------|---------------|--------------|-------------|
| H = 47 m/m | 20 m/m | | C = 87 m/m | 80 m/m | | | | |



| STANDARD SIZE | REPAIR LIMIT | MEASUREMENT | STANDARD SIZE | REPAIR LIMIT | MEASUREMENT |
|---------------|--------------|-------------|---------------------------|-----------------------|-------------|
| a = 47 m/m | 44.2 m/m | | P = 154 ²⁵ m/m | 157 ²⁵ m/m | |
| b = - | - | | | | |
| c = - | - | | | | |



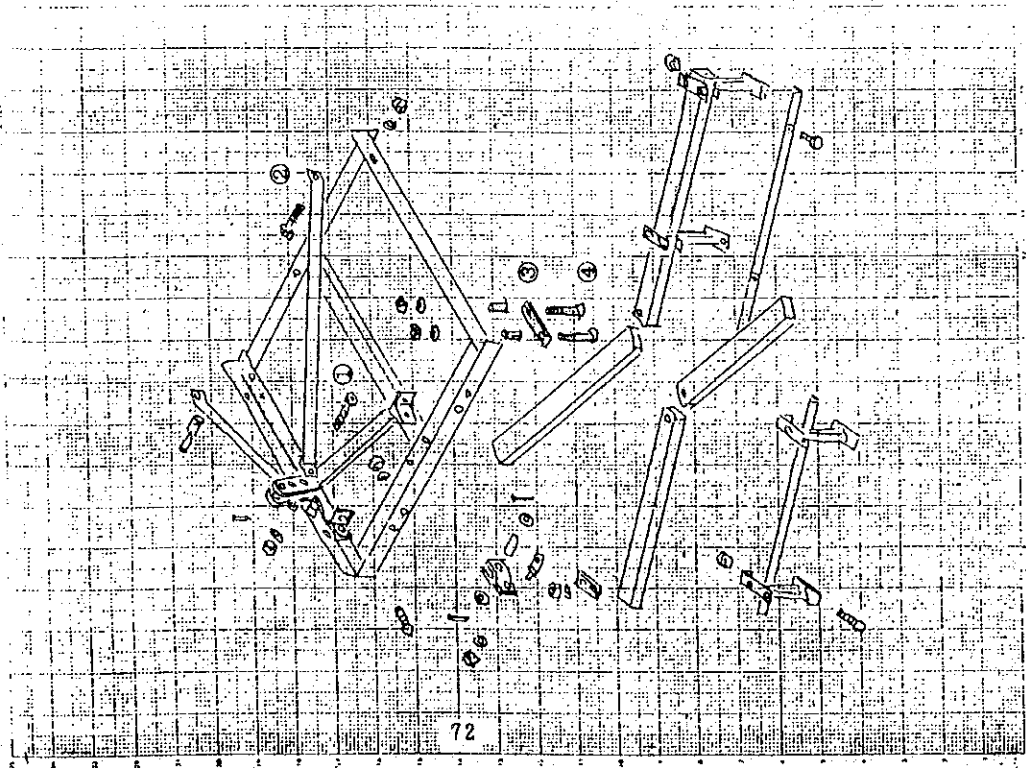
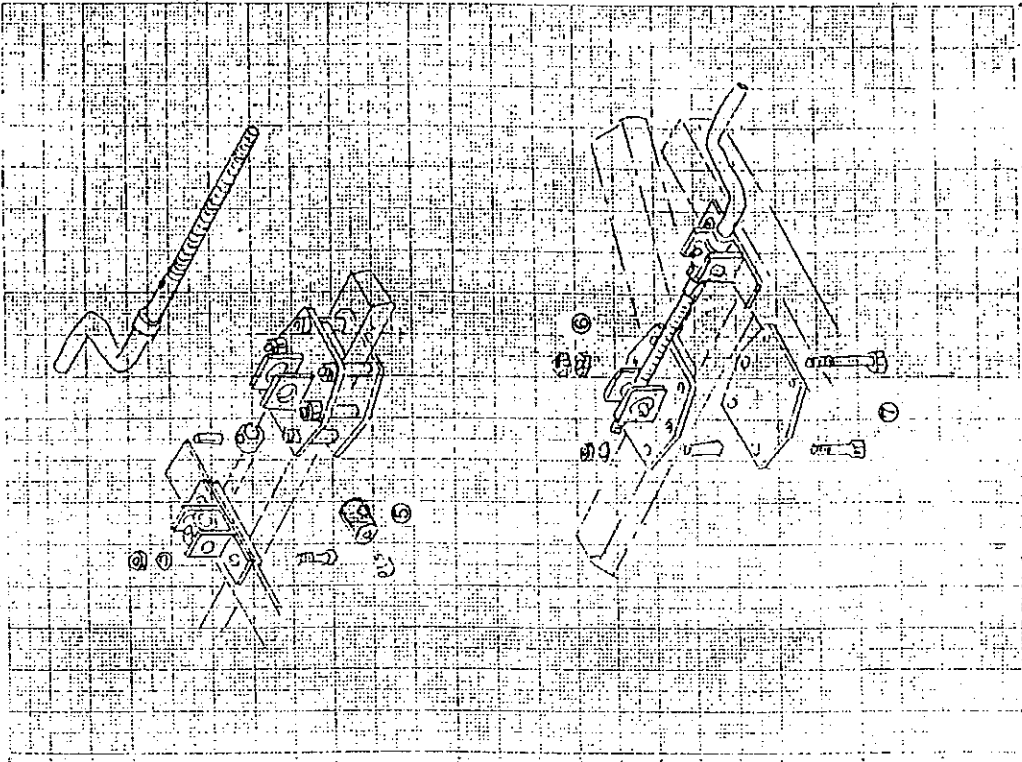
巡回車庫(修理車)

MOBILE WORKSHOP Car Workshop

JICA
JAPAN INTERNATIONAL COOPERATION AGENCY

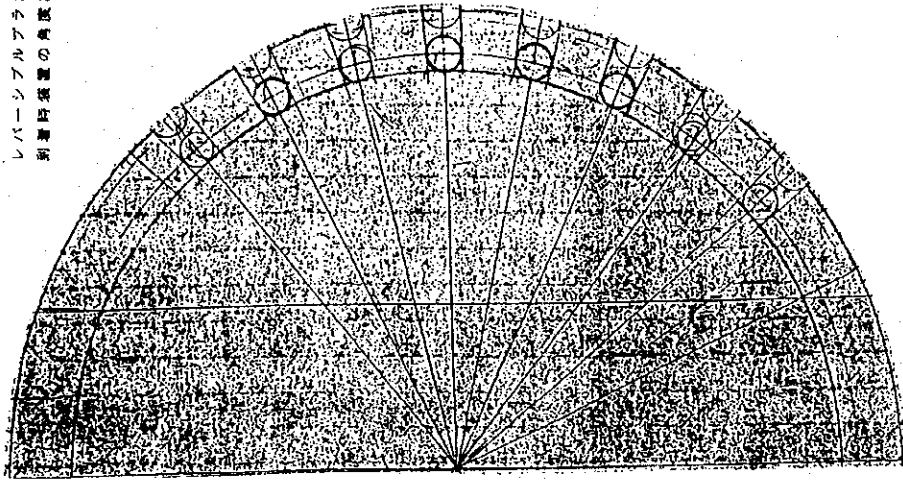
- Description
- ① Gas
 - ② Air Compressor
 - ③ Oxygen
 - ④ York Bench With Cabinet and Locker
 - ⑤ Mechanic tool
 - ⑥ generator
 - ⑦ Oil pump

DISK HARROW



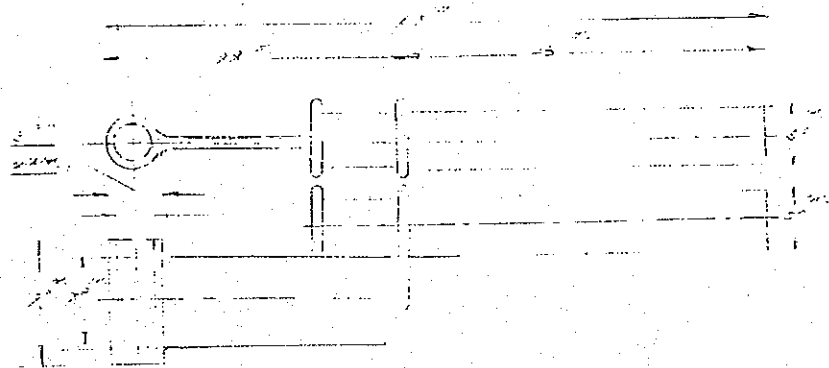
72

レハバースブルアラオ
 別冊防塔型の高度調査機
 加工製法

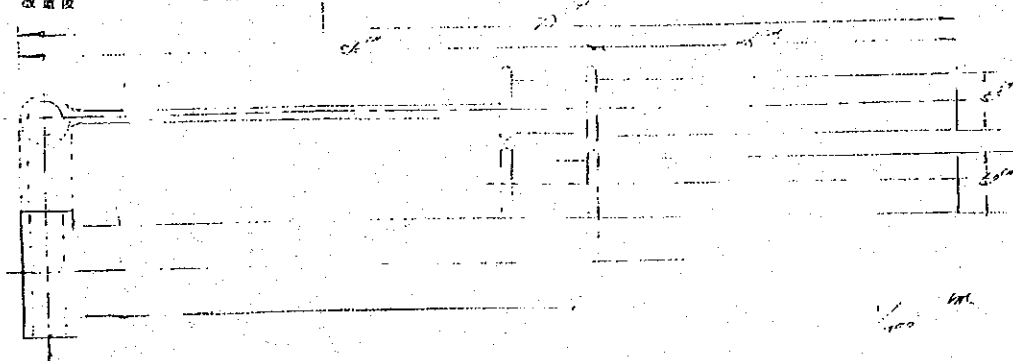


「機器材対応その-2」

改造前

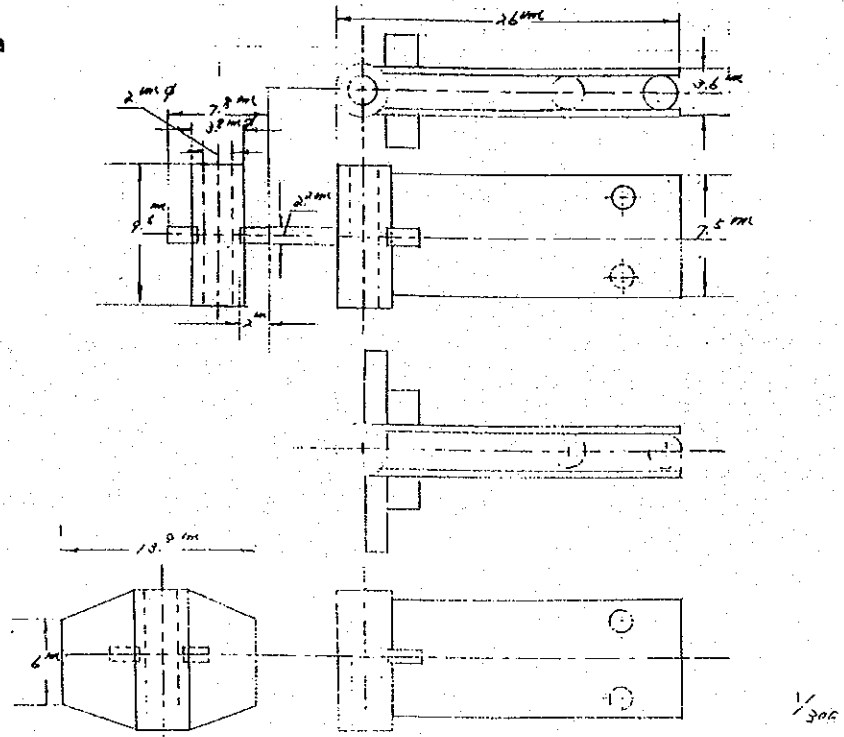


改造後

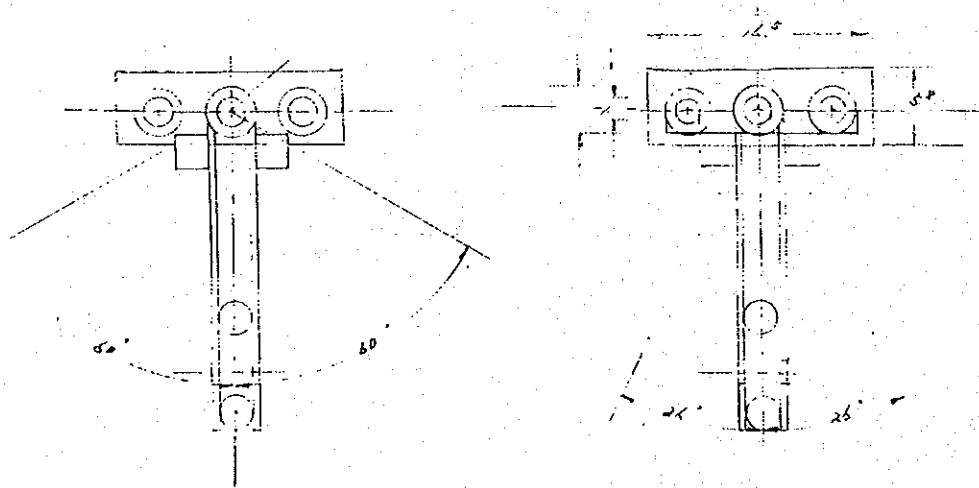


供与機器材対応その-3

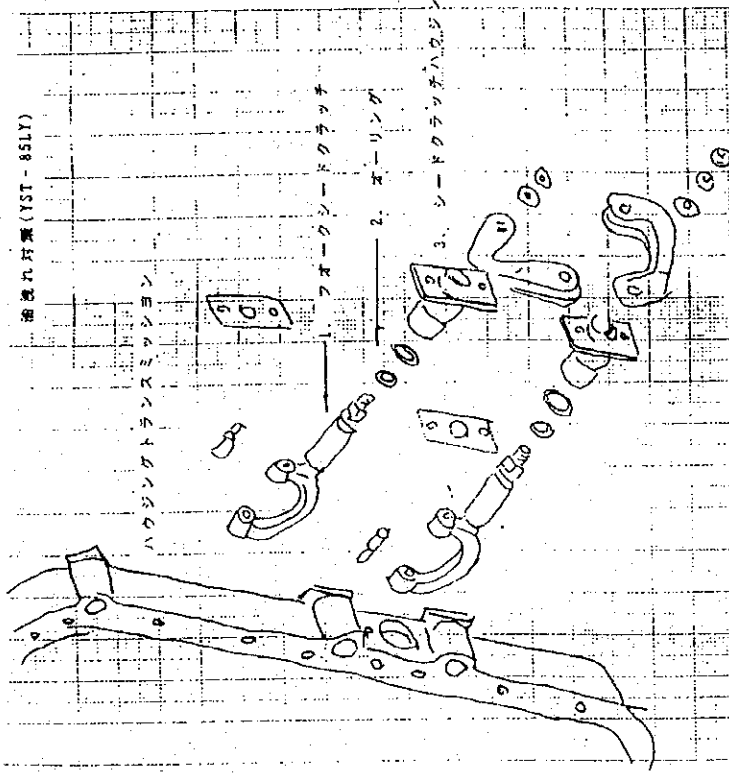
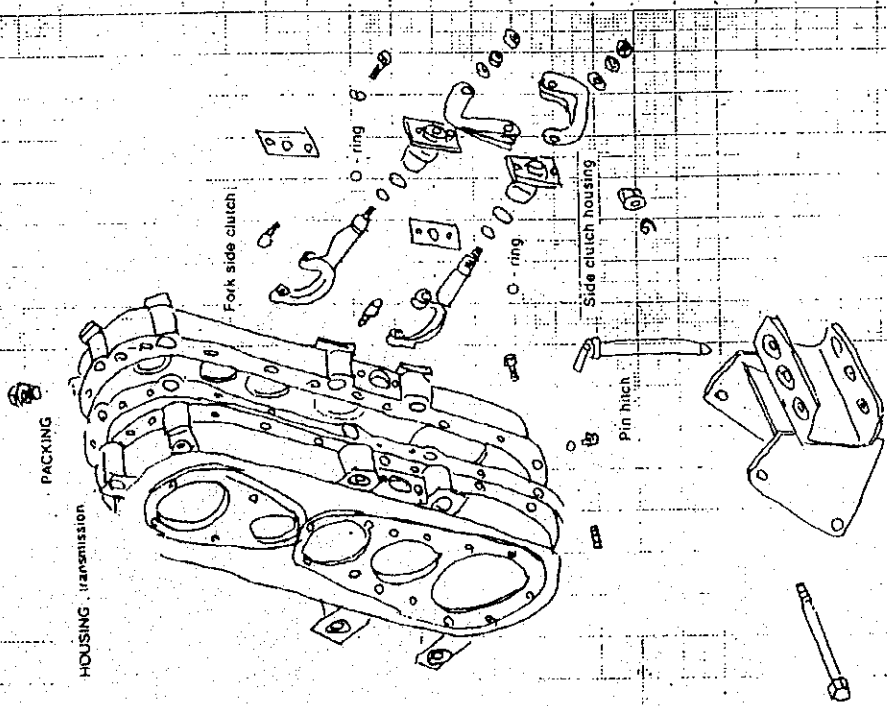
牽引ヒッチ改造



供与機器材対応その-4



油切れ対策 (YST-85LY)
Transmission housing



油切れ対策 (YST-85LY)

ハウジングトランスミッション

フォークシードクラッチ

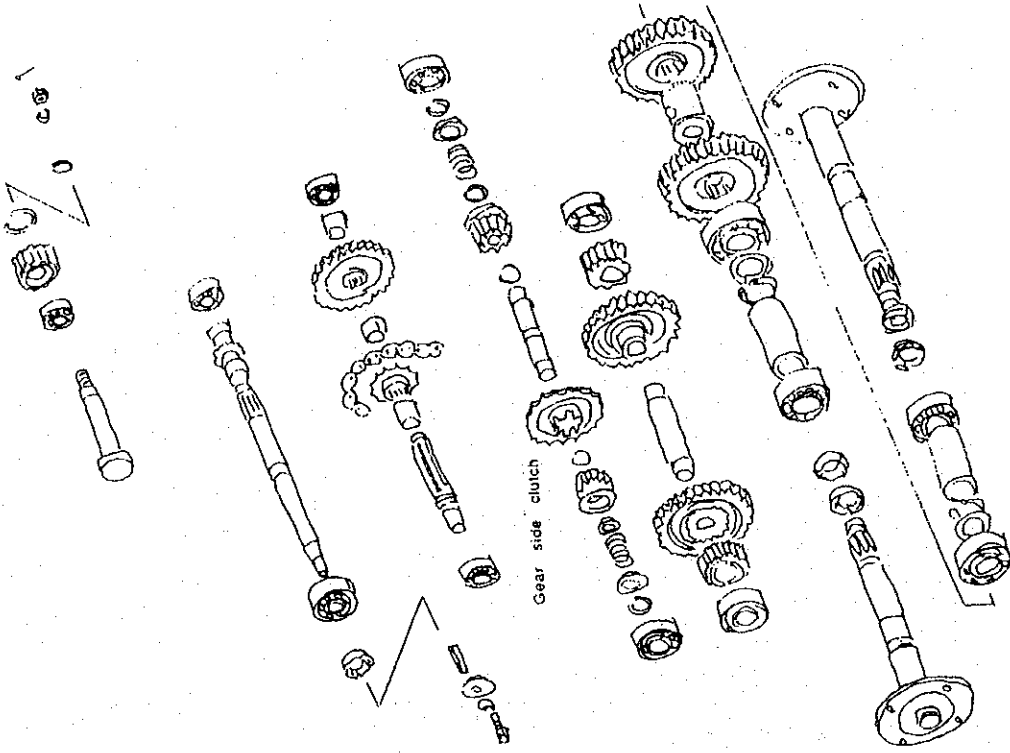
2. O-リング

3. シードクラッチハウジング

油切れ対策 (YST-85LY)

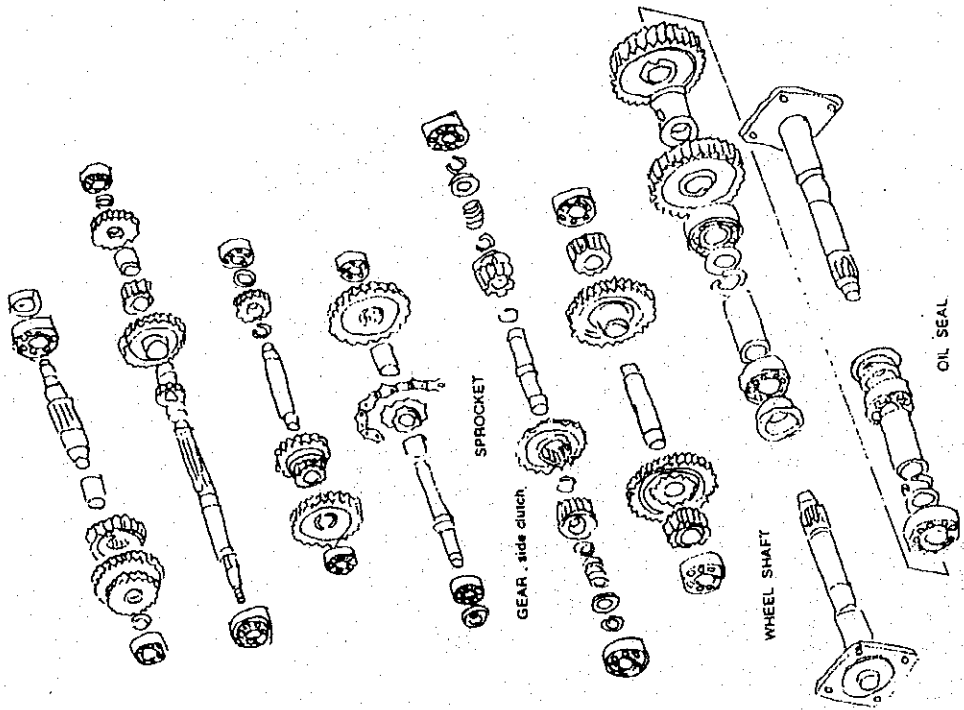
- 油切れの原因と判断されるもの
1. フォーククラッチとクラッチハウジング異常な遊び(ガタ)が原因。
 2. トランスミッション(T/N)ハウジングのボルトの緩み。

TRANSMISSION

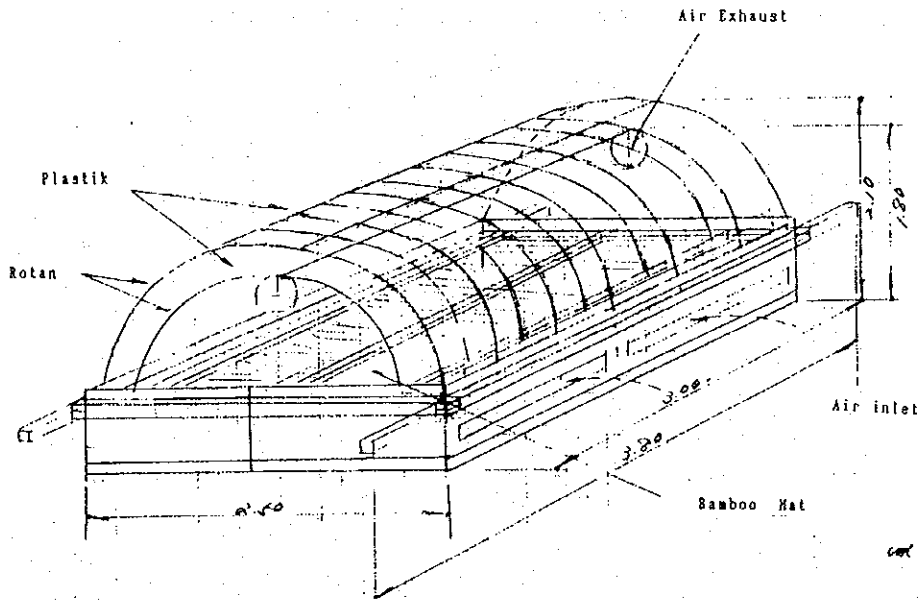


油波孔万乘 (Y2C-10.5D)

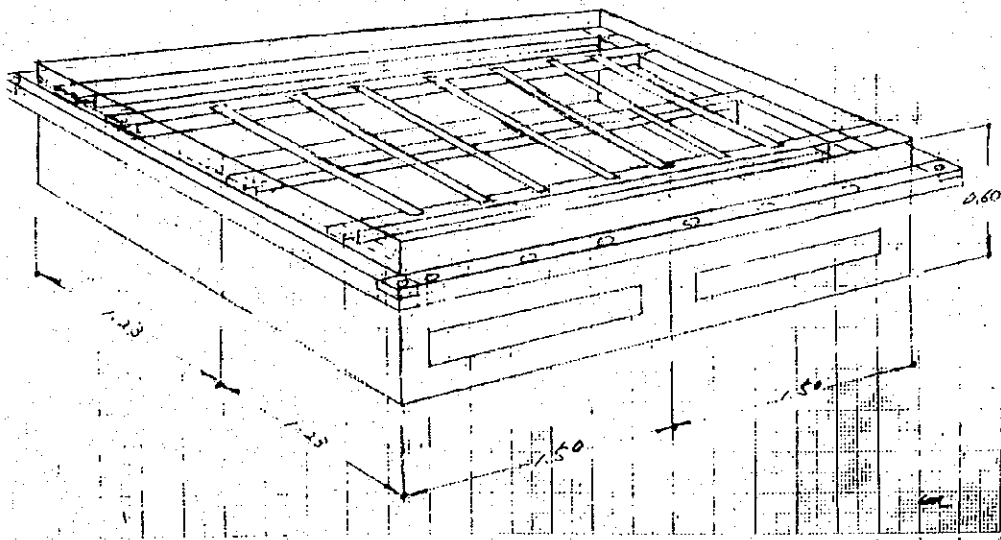
TRANSMISSION



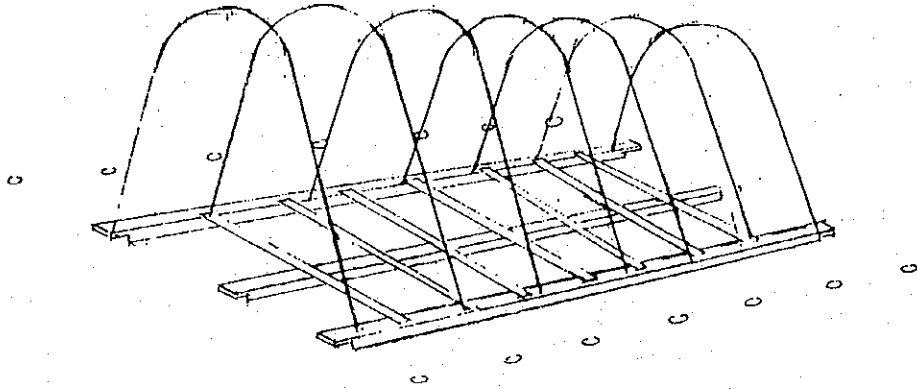
SIMPLE SOLAR DRYER



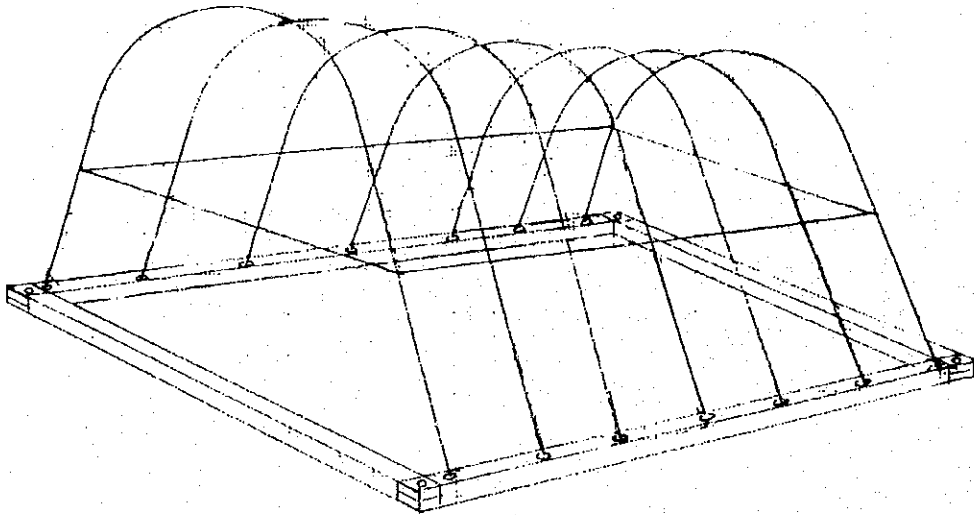
No 1



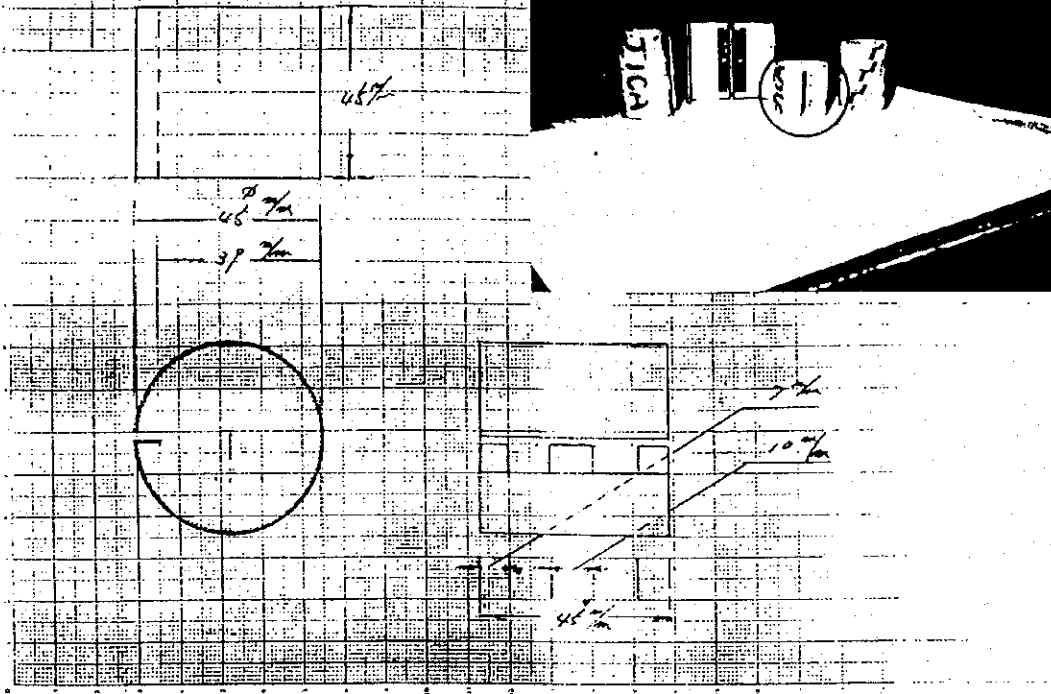
No 2



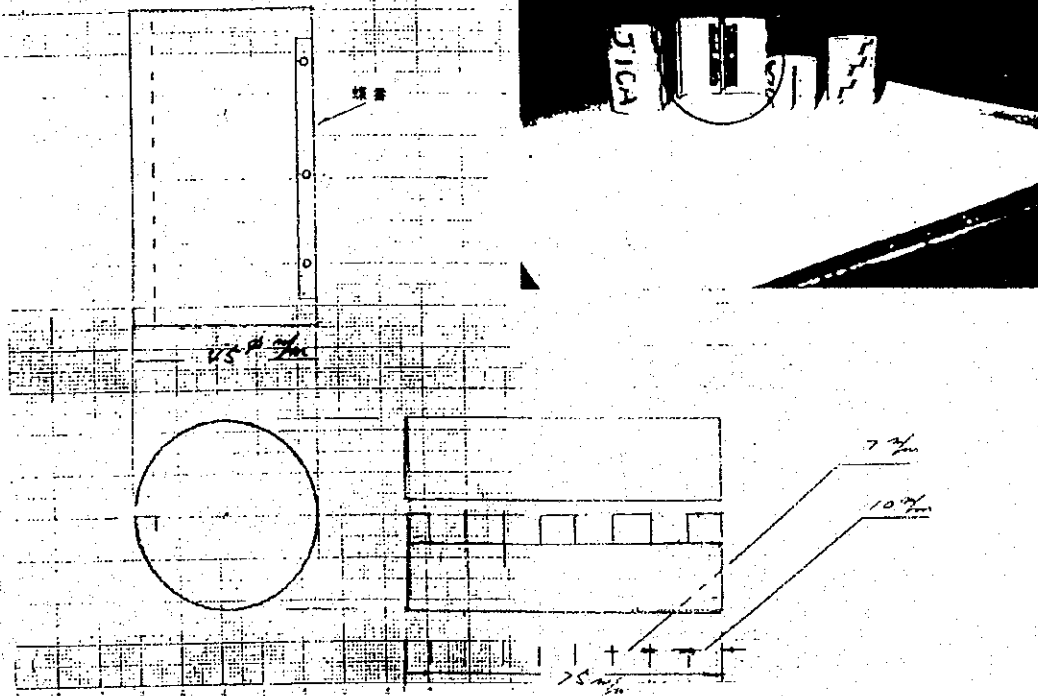
No 3

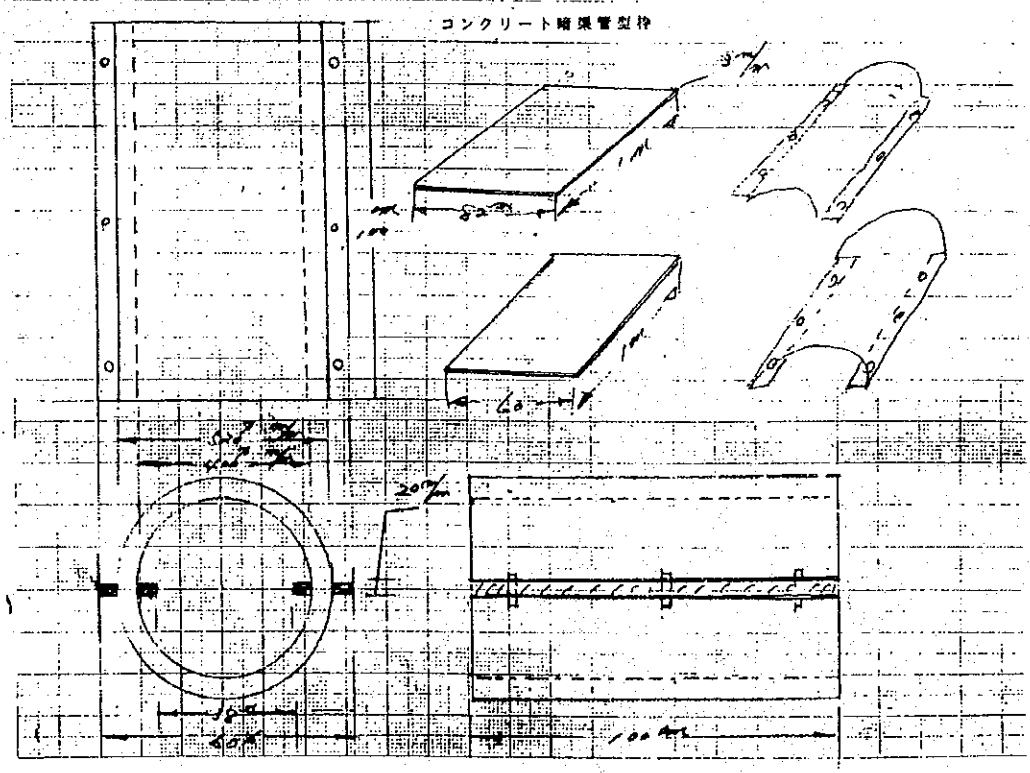
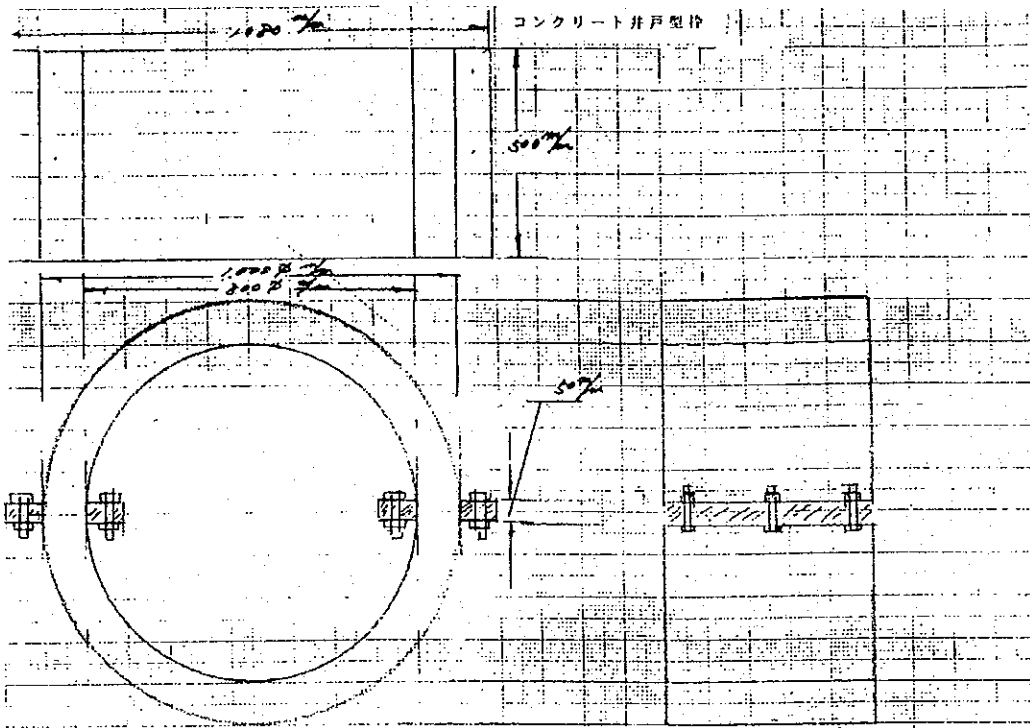


メイズ脱粒器



メイズ脱粒器





**REPORT OF MACHINERY OPERATION
AND MAINTENANCE**

Mr. Ryoji TAMAKUMA
Expert

**JAPAN INTERNATIONAL COOPERATION AGENCY
(J I C A)**

**KANTOR WILAYAH DEP. PERTANIAN
PROPINSI SULAWESI TENGGARA
Jl. Balai Kota 6 KENDARI
SULAWESI TENGGARA - INDONESIA**

CONTENTS :

1. Machinery operation.
 - 1.1. Operating testing:
 - Ranomeeto
 - Palangga
 - 1.2. Up-Land demonstration
 - 1.3. Rice field (sawah) demonstration
 - 1.4. Rice milling's training;
 - Ranomeeto
 - Palangga
 - Kiaea
2. Machinery maintenance
 - 2.1. Workshop-mobile.(Mobil bengkel)
 - 2.2. Maintenance training:
 - Ranomeeto
 - Palangga
 - Kiaea
 - Lalobao
 - 2.3. Mechanic training:
 - Ranomeeto, Palangga, Kiaea, Lalobao, Lapulu, Sabulakoa.
 - JICA provided tools for participants.
 - See annex: 1
 - 2.4. Machinery distribution.
 - See annex: 2
3. Creating special tools to process the agricultural product.
 - 3.1. Corn removed tool
 - 3.2. Simple solar dryer
 - 3.3. Ring concrete for well
 - 3.4. Culvert concrete for canal demonstration.
4. Problems.

In accordance with the purpose and activities of technical cooperation for the project, the field of the machinery operation and maintenance will carry out the technical guidance to respect of the following items.

1. Machinery operation

1.1. Operator testing

To operate the machinery that will be distributed to the target villages, the project conducted testing for the candidate of operators, especially for the heavy equipments such as Bulldozer, Excavator, Shovel.

The candidates are from Ranomeeto and Palangga villages.

As the result of testing, there are some operator as follows:

- Ranomeeto : La Kuddin, Dedeng, Abd.Muis
- Palangga : Zainal, Jamal.

1.2. Up-Land demonstration

One of the activities of the project is conducting demonstration to show the Agricultural technology to the farmer. In the area of demonstration, the project introduced some methods of planting, fertilizing, cultivating, and so on. The machinery working group has a job to prepare the land until ready to be used, such as:

- To measure the land 91,5 ha)
- To cut the wild grass (alang-alang) by grass cutter (the height of alang-alang is 1,5 meters). To cut the grass need 1 week (7 days)
- Because there were many rain during 10 days, the project can't use the tractor.

- After the climate was good and there was no rain, the cultivation was started.
- The operator plowed twice with crossing method.
- After plowing was finished, then continued with harrowing (two times) and rotary (also twice).
- To make straight planting distance, the operator used ridges.

1.3. Rice field (sawah) demonstration.

To conduct the sawah demonstration, the operator should cultivate the land until ready to use. The area that used as demonstration area is a new area, never used as planting paddy area.

- The operator used grass cutter to cut along-alang.
- Cultivating by using tractor
- Making boundary of the land to keep the water.
- Leveling the land by moving the heighten surface to cover the surface.
- Making muddy soil to prepare the planting.

1.4. Rice milling's training.

One of the machine that will be distributed to the target village is RMU (Rice Milling Unit). Every RMU consist of the rice milling engine and dry yard.

The objective of RMU is to mill the husky rice (gabah) to become rice.

The machinery working group invited participants from Ranomeeto (2 participants), Palangga (2 participants) and Kiaea (2 participants). The training was conducted at each village .

2. Machinery Maintenance

2.1. Workshop mobile (Mobil Bengkel)

- According to the experience in the past, to manage the machineries, there should be a good mechanic and workshop mobile. The objective of providing workshop mobile is to reach the villages faster if there are some machine of equipments broken. The location of 8 targets village is very scattered, the road to village sometime is not good.
- There are many equipment in workshop mobile car such as :
 - * Oxygen welder equipments.
 - * Electrically welder equipments.
 - * Compressor equipments.
 - * Complete tool for repairing.
 - * Another electrical equipments (Gurinda, bor and so on).
- The experience showed that workshop mobile car took important role in repairing the machinery in the village. For the future with big activities, there should be workshop mobile car.

2.2. Maintenance training.

If we operate the machinery, we have to maintain the machinery as good as we can in order to get the most benefit from the machinery. In another word, we should have a good maintenance mechanic to maintain the machinery. To meet that need, the project conducted training in the area of maintenance for Ranomeeto village, Palangga, Kiaea and Lalobao. The rest of village will get an opportunity to send their participants to follow same training.

2.3. Mechanics Training.

- As mentioned before, in getting the most benefit of the machinery there should be a good mechanics who knows how to operate and maintain.

JICA provided 3 weeks training to train the mechanics from 6 (six) villages such as Ranomeeto, Palangga, Kiaea, lalobao, Lapulu and Sabulakoa.

The 2 others villages such as Laeya and Onewila will get the same chance to send their participants to attend the same training. After training, the participants will be able to operate and to maintain the machineries that will be distributed to their villages.

- To make their job easier, JICA also gave them the complete tools. The items of tools that given to the participants can be seen in annex 1

2.4. Machinery distribution

The daily life in the villages is full of many activities. One of the activities that has important meaning is how they feed the family. From the Agricultural sector, one of the problem is how to cultivate the land for preparing the planting, how to process the product and so on.

JICA provided some machinery that will be used by the farmer in the village to help them. The list of machineries can be seen in Annex 2

Also the project has already fixed the operator who will operate the machineries and the mechanics who will maintain it.

The machineries is belong to the farmer group and used by the farmer with rental system. Some of the rental fee (\pm 35%) is used to pay the service.

3. Creating special tools to process the agricultural product.

To help the farmer in processing their agricultural product, the project tried to create a special tools such as corn removed and simple solar dryer.

Also to make easy for constructing some construction, the project also created some tools such as ring concrete for well and culvert concrete for canal.

3.1. Corn Removed tool

Usually we find a problem in removing the corn from the cob by traditional way. To solve this problem, the project created a special tool that called corn removed tool.

This tools has already introduced to another district. The complete information can be seen in annex 3

3.2. Simple solar Dryer

This dryer tool is used to dry the product to get a better quality. Made from bamboo and plastics. See in annex 4

3.3. Ring concrete for well

One of the rural infrastructure that given to the village is community well. Every village will get 4 - 5 wells.

To make easy in constructing the well, the project constructed ring concrete. See in annex 5

3.4. Culvert concrete for canal construction.

Irrigation Facility that was built in the village consist of many kinds items. One of the canal is to make easy in constructing the canal, the project also constructed culvert concrete. See in annex 6

4. Problems

- One problem that I found here according with my experience is availability of spareparts. Some time I didn't get the spare parts in Kendari or Ujung Pandang or Jakarta. It must be imported from Singapore or Tokyo. This problem should be thought.
- Also I want to express my personal opinion that in the future before finishing the project there should be a management system how to operate and maintain the machineries.

Annex 2 : List of Machineries

FIVE (5) YEARS' DISTRIBUTION & ALLOCATION PLAN OF THE TECHNICAL EQUIPMENT IN THE IARD PROJECT (ATA - 481)

I. Construction Machineries & Equipment

| NO | I T E M | 5 Years' Distribution Plan | | | | | Allocation Plan | | | | | | | | | | | | Remarks | | | | | | |
|----|---------------------|----------------------------|-----|-----|-----|-----|-----------------|------------------|------|-----|-----------|-----------|------------|-----------|----------|-------|---------|--------|---------|--------|-----------|---------|---|---|---|
| | | 91' | 92' | 93' | 94' | 95' | Total | Provincial Level | | | | | Desa Level | | | | | | | | | | | | |
| | | | | | | | | K.Pertanian | JICA | BIP | Livestock | Food Crop | Estate | Ranomeeto | Palangga | Laeya | Lalobao | Lapulu | | Kiaeya | Sabulakoa | Onewila | | | |
| 1 | Buldozer 6t | 1 | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 | Buldozer 9t | 1 | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3 | CMT Disc Plow | 1 | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4 | CMT Disc Harrow | 1 | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5 | Hydraulic Excavator | 1 | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 6 | Concrete Mixer | 1 | 1 | - | - | - | 2 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7 | Pump | 2 | 2 | - | - | - | 4 | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 8 | Tractor shovel | - | 1 | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 9 | Chain saw | - | - | - | 3 | - | 3 | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

II. Farming Machineries & Equipment

| | I T E M | 5 Years' Distribution Plan | | | | | Allocation Plan | | | | | | | | | | | | Remarks | | | | | | | |
|----|----------------------------|----------------------------|-----|-----|-----|-----|-----------------|------------------|------|-----|-----------|-----------|------------|-----------|----------|-------|---------|--------|---------|--------|-----------|---------|---|---|---|---|
| | | 91' | 92' | 93' | 94' | 95' | Total | Provincial Level | | | | | Desa Level | | | | | | | | | | | | | |
| | | | | | | | | K.Pertanian | JICA | BIP | Livestock | Food Crop | Estate | Ranomeeto | Palangga | Laeya | Lalobao | Lapulu | | Kiaeya | Sabulakoa | Onewila | | | | |
| 1 | Power Tiller (Y2T TF85L) | 7 | 2 | 2 | 6 | - | 17 | - | 1 | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 2 | Paddy Wheel | 7 | 2 | 2 | 6 | - | 17 | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | Cage Wheel | 3 | - | - | - | - | 3 | - | 1 | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - |
| 4 | Swamp Iron Wheel | 7 | 2 | 2 | 6 | - | 17 | - | 1 | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 5 | Plowing Wheel | 7 | 2 | 2 | 6 | - | 17 | - | 1 | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 6 | Bottom Plow (Ordinary) | 7 | 2 | 2 | 6 | - | 17 | - | 1 | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 7 | Harrow | 7 | 2 | 2 | 6 | - | 17 | - | 1 | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 8 | Leveller | 7 | 2 | 2 | 6 | - | 17 | - | 1 | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 9 | Trailer | 7 | 2 | 2 | 6 | - | 17 | - | 1 | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 10 | Power Thresher | 1 | 2 | 2 | 3 | - | 8 | - | 1 | - | - | - | - | - | 2 | 2 | - | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 |
| 11 | Power Spayer | 2 | 4 | 1 | - | - | 7 | - | - | - | - | - | - | - | 1 | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | Knapsack Power Sprayer | - | 2 | - | - | - | 2 | - | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| 13 | Automatic Knapsack Sprayer | 5 | 8 | - | 3 | - | 16 | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 14 | Manual Sprayer | - | - | 10 | 6 | - | 16 | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 15 | Grass Cutter | - | 3 | 3 | 2 | - | 8 | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16 | Rice Milling Unit w/Engine | 1 | 3 | 1 | 1 | - | 6 | - | - | - | - | - | - | - | 1 | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | Coconut Crusher w/Engine | 4 | - | - | 4 | - | 8 | - | - | - | - | - | - | - | 1 | 1 | 6 | 1 | 2 | - | - | - | - | - | - | - |
| 18 | Dryer (Burner) | - | 5 | - | - | - | 5 | - | - | - | - | - | - | - | 1 | 1 | - | 1 | - | 1 | - | - | - | - | - | - |
| 19 | Irrigation Pump | - | 5 | - | 3 | - | 8 | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20 | Rotary weeder | - | 10 | 16 | - | - | 26 | - | - | - | - | - | - | - | 4 | 4 | - | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| 21 | Nylon Net | - | - | 2 | - | - | 2 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 1 | - | - | - | - | - |

JICA